

# Swedish Inventor Has New Oil Light

Claims Whiter and Much Cheaper Light Than Electric or Gas

Edison enabled us to enjoy the benefits of electric light, Count Welsbach's mantle made it possible to have the neandescent gas light, but it remained for a Swedish engineer named Johnson, now living in Winnipeg, to devise a lamp that would burn ordinary, everyday kerosene oil and produce a light said by the many scientists who have seen it to be whiter than electric. The lamp is as simple to operate as the old style oil lamp, burns without odor, smoke or noise and is proving a sensation where oil light is needed.

Mr. Johnson offers to send a lamp on ten days' free trial and will even give one to the first user in each locality who will help introduce it. A letter addressed to S. N. Johnson, 138 Portage Ave., East, Winnipeg, will bring full particulars about this wonderful new lamp. He has an interesting agency offer, too.



## Guide "Want" Ads. "Bring Home the Bacon"

"It was a lucky day, I tell you, Jack, when you sent that 'Little Ad.' to The Grain Growers' Guide. You'd never have got the cash to pay those taxes three years ago if you hadn't heard about the Farmers' Market Place. You'd never have found out what a great method Classified Advertising is for either buying, selling or exchanging surplus machinery or livestock.

"Why, in four short years we have paid off all our debts—the store bill, taxes, machinery liens, bank loans and mortgage interest, and, at last, we can afford to buy a car. I could not have believed it possible."

Thousands of farmers have had money-making experiences with the "Little Guide Ad." method of marketing seed grain, breeding stock, poultry, second-hand machinery and miscellaneous articles. One of our regular advertisers is a Soldier Settler who was loaded with a tough proposition, yet by selling grass seed and seed grain through "Little Guide Ads." he was able to meet all his payments and last winter took his wife for a holiday trip to England and France.

A "Little Guide Ad." reaching over 80,000 readers only costs a few cents a word. You can increase your income—build up your farm, improve your buildings, purchase new equipment and make your family proud of their home by this same method.

There is no secret about successful advertising. All you need is the desire to improve your circumstances. Start today on the road to financial prosperity. Send the coupon below for complete information. This is the first step. You will find it takes you in the right direction. Send the coupon by the next mail.

THE FARMERS' MARKET PLACE,  
The Grain Growers' Guide,  
Winnipeg, Manitoba.

Please send me, without cost on my part, complete information about your "Little Guide Ads." and tell me how these will increase my income.

NAME \_\_\_\_\_

P.O. \_\_\_\_\_

PROV. \_\_\_\_\_

C.A.6 \_\_\_\_\_

# U.L.G. Refused Extension

Dominion Department of Agriculture allows Calgary Livestock Exchange to force farmers' company to pay \$250 in order to continue in business on Calgary Stock Yards

THE Calgary stock yards dispute which has hung fire since last April reached a climax early in the month, when the United Livestock Growers, after an exchange of letters between the organization and the Department of Agriculture at Ottawa, paid a fine of \$250 imposed by the Calgary Livestock Exchange, and was reinstated to the trading privileges of the Calgary Stock Yards. This action was forced upon the U.L.G. by the refusal of the department to further extend its temporary license pending a settlement of the difficulties. Under the circumstances it was decided to pay the fine and carry on pending the fulfilment of the department's promise to modify the laws and regulations governing the operation of stock yards.

It will be recalled that in April the U.L.G. was suspended from the trading privileges of the Calgary Stock Yards for refusing to open their books to competitors on the exchange while expressing their willingness to allow thorough inspection by Dominion officials. The regulations governing public stock yards were formulated before the development of livestock pooling and make it extremely difficult to conduct co-operative marketing of livestock along pooling lines. The U.L.G. immediately appealed to the department at Ottawa which granted a temporary license and instituted an investigation into the causes of the dispute. The political situation which developed at Ottawa, followed by the change of government and an election, held matters up for months and in the meantime the license was extended from month to month and the U.L.G. has been doing business as usual.

### Motherwell's Promise

The last temporary permit expired on November 20, and was not renewed, an action which caused considerable surprise because it was generally understood that the federal department would support the U.L.G. to the limit. On May 17, when the matter came up in the House of Commons, Mr. Motherwell assured the House that the department would see that the United Livestock Growers were not deprived from operating on the Calgary Livestock Exchange, and that if it was found that under the regulations of the Calgary Exchange the U.L.G. could be suspended then a change in the regulations would be made. About the same time the matter came up in the Alberta House and a bill was passed, which can be brought into effect by proclamation, providing legislation which would in effect give the provincial government the power to step in and change the regulations so as to put them in line with the co-operative method of marketing livestock.

On October 14, Mr. Rice-Jones, president of the U.L.G. received a letter from Dr. J. H. Grisdale, deputy minister of agriculture, in which he stated that the representatives of the U.L.G. were not guilty of any dishonest motive in the way of securing any personal gain in the apparent irregularities as disclosed in the investigation of the transactions between the U.L.G. and its clients. He stated, however, that technical breaches of the laws and regulations had been made, and asked the U.L.G. to observe the laws and abide by the regulations of the exchange in future activities on the Calgary yards. "If you will write me" he continued, "to the effect that your association regrets having violated the regulations even though only technically, and that on condition of your being reinstated will undertake to observe most strictly all laws and regulations governing activities of said Calgary Exchange, then this department is willing to advise the Calgary Exchange accordingly, and ask them for your reinstatement with full trading privileges.

"It is understood that in case of your complying with our request this department is ready and willing to bring such

changes in the laws regarding livestock marketing generally throughout Canada as will provide for co-operation and pool marketing at any and all livestock exchanges in the Dominion."

**Wanted Change in Regulations**  
Mr. Rice-Jones replied, asking that the special license be continued until such times as these proposed changes in the laws and regulations were made, so that it would be possible for the U.L.G. to observe the rules and regulations and at the same time continue to give service in co-operative marketing which was the object of the existence of the association.

To this Hon. W. R. Motherwell replied, in the absence of Dr. Grisdale, expressing his regret that the U.L.G. had not complied with the deputy's instructions and granting a further week of special license. Further exchange of wires took place, in one of which Mr. Rice-Jones pointed out that the system on which hogs were being handled co-operatively could not be changed without the consent of the shipping associations in the country and stating that if the department would agree to protect the company from fines for technical infractions he would recommend to his directors that the undertaking demanded by Dr. Grisdale should be given.

To this Mr. Motherwell replied as follows: "On the principle of first things first my desire is that you first set yourselves right with your trading organization, after that we can discuss marketing methods, co-operative or otherwise, upon which we are prepared to meet your organization to the fullest extent."

### Departments Demands Complied With

To this a wire from the Board of Directors of the U.L.G. was despatched on November 25, in which the undertaking asked for in Dr. Grisdale's letter of October 12, was given and stating that they assumed there would be no lapse between the expiry of the special license and the reinstatement of the company on the exchange. On November 30, the official finding in connection with the matter was read. It met with a vigorous protest from the directors which was voiced in a lengthy wire to the minister, in which it was pointed out that the finding was not at all in accord with the statement of finding as given in the deputy's letter of October 14, and stating that the finding left room for the imposition of a fine by the exchange which was not indicated by the deputy's letter, and at direct variance with conversations between the officers and minister. To this Mr. Motherwell curtly replied "Very sorry you don't like finding."

A formal letter was received on December 3, by the manager of the U.L.G., at Calgary, from the Calgary Livestock Exchange, in which it was stated that the finding of the Dominion department was accepted by the exchange and that they were imposing a fine of \$250. The U.L.G. was also strongly censured for what the exchange characterized as a campaign of gross misrepresentation and demanded payment of the fine on Monday, December 6. The U.L.G. had no alternative if it was to continue its trading activities in the stock yards and the fine was accordingly paid.

The chief difficulty of course is that the laws and regulations governing the operation of stock yards are not drawn up to accommodate the co-operative pooling method of marketing. They are the work of the Livestock Branch of the Dominion Department of Agriculture. There is no doubt that the regulations are on the whole good and that great reforms have been effected in the marketing of livestock as a result of them. But conditions are changing and they need to be brought up-to-date. The co-operative organizations are being built up in advance of the legal framework in which they must operate. It now remains to be seen how long it will take to put the regulations in line with the farmers' requirements.



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**Puts this Olde-Tan Metal-to-Metal Harness on Your Horses**  
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**Olde-Tan Harness**  
First Old-Tan leather produced over 100 years ago. Now known throughout Canada for its pronounced superiority. Olde-Tan harness is made by a tanner-manufacturer who follows every step from the raw-hide to the completed harness.  
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110 Princess Street, Winnipeg, Man.  
321 King Street, East Toronto.

**FREE! FARM AND STOCK ACCOUNT BOOKS**  
This valuable book was compiled to advertise CARHARTT OVERALLS—the best farmer's overalls in the world. One farmer wrote that he would not take ten dollars for his book. Write for yours to-day.  
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Over Twenty Thousand Agencies

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Before buying a radio set, write to us first for particulars on our ONE DIAL FUTURE SELECT SIX-TUBE SET. A wonderful set at a wonderful price.  
**BICYCLE SALES COMPANY**  
334 SMITH ST., WINNIPEG

## Science proves the danger of bleeding gums



**COAST** defense protects the life of a nation, gum defense the life of a tooth. On the gum line danger lies. If it shrinks through Pyorrhea decay strikes into the heart of the tooth.

Beware of gum tenderness that warns of Pyorrhea. Four out of five people over forty have Pyorrhea—many under forty also. Loosening teeth indicate Pyorrhea. Bleeding gums, too. Remember—these inflamed, bleeding gums act as so many doorways for disease germs to enter the system—infecting the joints or tonsils—or causing other ailments.

Forhan's positively prevents Pyorrhea, if used in time and used consistently. As it hardens the gums the teeth become firmer.

Brush your teeth with Forhan's. It cleans the teeth scientifically—keeps them white and clean.

If gum shrinkage has already set in, start using Forhan's and consult a dentist immediately for special treatment.

35c and 60c tubes All Druggists

Formula of R. J. Forhan, D.D.S.  
**Forhan's Limited Montreal**

**Forhan's FOR THE GUMS**





# IMPERIAL BANK OF CANADA

## FIFTY-SECOND ANNUAL MEETING OF SHAREHOLDERS

The Annual General Meeting of the Imperial Bank of Canada was held at the Head Office in Toronto, on Wednesday, 24th of November, 1926.

The Directors' Report and Statement of Affairs of the Bank for the year ending 30th of October, 1926, were presented as follows:—

### THE REPORT

The Directors have pleasure in presenting to the Shareholders, the Fifty-second Annual Report and Balance Sheet of the affairs of the Bank as on 30th October, 1926, together with Statement of Profit and Loss Account showing the result of the operations for the year.

The Balance at credit of Profit and Loss Account brought forward from last year was .....	\$1,098,871.92
Profits for the year ended 30th October, 1926, after deducting charges of management, auditors' fees and interest due depositors, and after making provision for bad and doubtful debts and for rebate on bills under discount .....	1,265,776.31
Making a total at credit of Profit and Loss Account of .....	\$2,364,648.23

This amount has been appropriated as follows:—

Dividends at the rate of 12 per cent. per annum .....	\$ 840,000.00
Bonus of 1 per cent. for the year .....	70,000.00
Annual Contribution to Officers' and Employees' Pension and Guarantee Funds .....	42,500.00
Dominion Government taxes—paid and reserved .....	160,000.00
Balance of Account carried forward .....	1,252,148.23
	<u>\$2,364,648.23</u>

During the year Branches of the Bank were opened at Kitchener and Elk Lake, Ontario. Branches were also operated during the summer season at Hudson and Pine Ridge, Ontario, in the Red Lake Gold area.

It is with deep regret that your Directors have to record the death on 6th November, 1926, of Mr. John Northway, who was a customer and Shareholder of the Bank for many years and became a director in 1915. The vacancy in the Board has been filled by the appointment of his son, Mr. John A. Northway.

The Head Office and Branches have as usual been carefully inspected during the year and the Auditors appointed by you have also made their examination as required by law. Their report and certificate is attached to the Balance Sheet. In common with other Banks, the annual investigation of the affairs of the Bank has also been made by the Inspector General of Banks appointed by the Dominion Government for the purpose.

The Directors have again much pleasure in bearing testimony to the satisfactory manner in which the various officers of the Bank have discharged their respective duties during the past year.

All of which is respectfully submitted.

Toronto, 23rd November, 1926.

PELEG HOWLAND, President.

### LIABILITIES

Notes of the Bank in circulation .....	\$ 10,692,633.00
Deposits not bearing interest .....	\$18,409,936.35
Deposits bearing interest, including interest accrued to date of Statement .....	82,377,078.56
	<u>100,787,014.91</u>
Balances due to other Banks in Canada .....	\$3,460,665.34
Due to Banks and Banking Correspondents in the United Kingdom .....	21,072.71
Due to Banks elsewhere than in Canada and the United Kingdom .....	273,626.32
Letters of Credit Outstanding .....	564,397.39
	<u>4,319,761.76</u>
Total Liabilities to the Public .....	\$115,799,409.67
Capital Stock paid in .....	\$7,000,000.00
Reserved Fund Account .....	7,500,000.00
Dividend No. 145 (payable 1st November, 1926) for three months at the rate of 12 per cent. per annum .....	210,000.00
Bonus of 1 per cent., payable 1st November, 1926 .....	70,000.00
Unclaimed Dividends .....	751.75
Balance of Profit and Loss Account carried forward .....	1,252,148.23
	<u>16,032,899.98</u>

\$131,832,309.65

PELEG HOWLAND, President.

### ASSETS

Current Coin held by the Bank .....	\$ 963,103.07
Dominion Government Notes .....	10,473,959.25
United States and other Foreign Currencies .....	167,223.22
	<u>\$11,604,285.54</u>
Deposit in the Central Gold Reserves .....	4,004,466.66
Deposit with the Minister for the purposes of the Circulation Fund .....	332,730.45
Notes of other Banks .....	685,017.00
Cheques on other Banks .....	5,845,343.35
Balances due by other Banks in Canada .....	507,653.35
Due from Banks and Banking Correspondents in the United Kingdom .....	228,567.39
Due from Banks and Banking Correspondents, elsewhere than in Canada and the United Kingdom .....	4,007,239.35
	<u>\$27,215,303.09</u>
Dominion and Provincial Government Securities not exceeding market value .....	\$15,846,622.77
Canadian Municipal Securities and British, Foreign and Colonial Public Securities other than Canadian, not exceeding market value .....	5,695,434.67
Railway and other Bonds, Debentures and Stocks, not exceeding market value .....	64,832.26
	<u>21,606,889.70</u>
Loans to Provincial Governments .....	\$1,209,878.35
Loans to Cities, Towns, Municipalities and School Districts .....	5,912,981.79
Call and Short (not exceeding thirty days) Loans in Canada on Stocks, Debentures and Bonds, and other Securities of a sufficient marketable value to cover .....	8,427,522.09
Call and Short (not exceeding thirty days) Loans elsewhere than in Canada on Stocks, Debentures and Bonds, and other Securities of a sufficient marketable value to cover .....	5,000,000.00
	<u>20,550,382.23</u>
	<u>\$ 69,372,575.02</u>
Other Current Loans and Discounts in Canada (less rebate of interest), after making full provision for all bad and doubtful debts .....	55,186,970.88
Non-Current Loans, estimated loss provided for .....	251,874.18
Real Estate other than Bank Premises .....	634,523.84
Mortgages on Real Estate sold by the Bank .....	550,944.67
Bank Premises, at not more than cost, less amounts written off .....	4,921,660.21
Liabilities of Customers under Letters of Credit as per contra .....	564,397.39
Other Assets not included in the foregoing .....	349,363.46
	<u>\$131,832,309.65</u>

A. E. PHIPPS, General Manager.

### AUDITORS' REPORT TO SHAREHOLDERS:

We report to the Shareholders of the Imperial Bank of Canada:—  
That we have audited the above Balance Sheet as at October 30th, 1926, and compared it with the books and vouchers at Head Office and with the certified returns from the Branches. We have obtained all the information and explanations that we have required, and in our opinion the transactions of the Bank which have come under our notice have been within the powers of the Bank.  
In our opinion the Balance Sheet discloses the true condition of the Bank, and is as shown by the books of the Bank.  
The above Balance Sheet does not include money which has been set aside by the Shareholders from time to time for the purpose of a Pension Fund, a portion of which is invested in shares of the Bank.

Toronto, November 19th, 1926.

A. B. Shepherd, C.A., of Peat, Marwick, Mitchell & Co.  
D. McK. McClelland, F.C.A., of Price, Waterhouse & Co.

The President in his address reviewed general business conditions and the General Manager commented upon the different items in Balance Sheet. Messrs A. B. Shepherd, C.A., of Peat, Marwick, Mitchell and Company, and Mr. D. McK. McClelland, F.C.A., of Price, Waterhouse & Co., were appointed Auditors for the coming year and other customary motions were made and carried unanimously.

The following Shareholders were elected Directors:—Peleg Howland, Sir James Woods, Sir James Aikins, K.C. (Winnipeg); Lieut.-Col. J. F. Michie, Frank A. Rolph, R. S. Waldie, George C. Heintzman, J. W. Hobbs, Walter C. Laidlaw and John A. Northway.

At a subsequent meeting of the Directors, Mr. Peleg Howland was re-elected President, and Sir James Woods, Vice-President, for the ensuing year.

PELEG HOWLAND, President.

A. E. PHIPPS, General Manager.



## SUBSCRIPTION PRICE

Subscription price, in Canada, 50 cents per year, three years for \$1.00, except in Winnipeg city, where subscription price is 75 cents per year. Subscription price in United States and all other countries outside of Canada \$1.00 per year. Single copies 5 cents.

# THE GRAIN GROWERS' GUIDE

Issued on the First and Fifteenth of each Month

Owned and Published by the Organized Farmers

Authorized by the Postmaster-General, Ottawa, Canada, for transmission as second-class mail matter. Published at 290 Vaughan Street, Winnipeg, Manitoba

## ADVERTISING POLICY

We believe through careful enquiry, that every advertisement in The Guide is signed by trustworthy persons. We will take it as a favor if any of our readers will advise us promptly should they have any reason to doubt the reliability of any person or firm who advertises in The Guide.

## U.G.G. Retains Elevators

*Annual meeting decides not to accept offer of Pools---  
Financial strength of Company best in twenty years*

THE annual meeting of United Grain Growers Limited, held in Paget Hall, Calgary, on December 1 to 3, was marked by two events of outstanding importance. In the first place the board of directors presented the best financial statement in the 20 years of the company's history, showing a profit of \$676,378.36, from which was paid a shareholders' dividend of eight per cent., amounting to \$233,277.18, and a patronage dividend of one cent per bushel on street grain, amounting to \$78,791.99. Secondly, after debating for a full day the proposal of the three provincial wheat pools to purchase all the company's elevators, the 350 delegates present, representing the 36,000 shareholders of the company, decided by a vote of about five to one that they would not sell. On the other hand, the delegates endorsed almost unanimously the policy recommended by the board of directors to continue in business and maintain friendly co-operation with the pools and the board was given full authority to lease or sell individual elevators to the pools where such would avoid undesirable duplication, and could be done without sacrificing the interests of the company's shareholders.

When the meeting opened on Wednesday morning, December 1, the report of the board of directors on the year's business was presented by the president, Hon. T. A. Crerar. The shareholders were, of course, aware that the company had had a very satisfactory year, because each of them had received an eight per cent. dividend on their stock nearly three months previously, and those who sold street wheat to the company had received a one-cent per bushel patronage dividend during the summer. It was, however, a pleasant surprise to the delegates to find that after paying out \$312,000 in these two dividends there was still available \$364,000, out of which \$245,000 was transferred to the general reserve of the company, which now amounts to \$1,450,000. The paid-up capital stock of the company is now \$2,920,620.17. The reserves, including the general reserve and the depreciation reserve on buildings, machinery and equipment, amounts to \$3,276,049.10, and there is a credit in the profit and loss account of over \$500,000.

## Shares Doubled in Value

Some questions brought up by delegates disclosed the fact that the \$25 shares of the company were now valued in terms of the balance sheet at more than \$50 each. It was pointed out, however, that they were not sold on the open market as is the case with many companies, and that they were restricted inasmuch as only farmers might own them.

The general improvement in business conditions had not only been marked in the results of the year's business of the parent company, but also with most of the several subsidiary companies. In fact, of the profits shown in the balance sheet, \$51,996 had been received in dividends from the earnings of subsidiary

companies. Mr. Crerar stated that the financial results of the Public Press and The Grain Growers' Guide, after caring for all charges and depreciation and maintenance, were considerably better than in the previous year and they had paid a substantial dividend on the past year's operations. Owing to The Guide having changed from weekly to semi-monthly in April, 1926, many improvements had been made in the paper which had been generally commended both by readers and advertisers. The prospects indicated that still further improvements would be made in The Guide in the future. Its subscription list in November was over 86,000 and growing rapidly.

small terminal elevator in Vancouver on Burrard Inlet, and through changes during the past year the company now has the controlling interest in this elevator and is responsible for its management and operation. Owing to the volume of grain passing through Vancouver the result during the past year was satisfactory, but owing to the scarcity of ocean shipping, due to the British coal strike, the prospects for the present year are not so good.

As was decided upon a year ago, the United Livestock Growers Limited is now conducted on a basis by which its net earnings are distributed to the patrons of the company and consequently no profits

ment and the rest are owned by the company.

Mr. Crerar informed the meeting that owing to the volume of tough and damp grain the company had again leased the C.P.R. elevator at Transcona, just outside of Winnipeg, in order to increase the drying facilities for handling the large volume of out-of-condition grain.

During the year the board had engaged the Canadian Appraisal Company, one of the best known appraisal institutions in Canada, to value the assets of the company. After very careful investigation the report of the Canadian Appraisal Company covering the physical assets of the U.G.G. and its subsidiaries showed a net excess over and above the value of these assets as now carried on the books of the company of more than \$1,400,000. Most of the assets were valued at a higher figure than had been previously shown on

the books of the company, while some, including the saw mills, were valued at a lower amount. But the final result was greatly in excess, showing the company's business to have been conservatively and carefully handled.

In commenting upon the result of the year's business, Mr. Crerar pointed out that it had been the most satisfactory year from the financial standpoint since the company started operations. The profits had been considerable and the balance sheet indicated that very substantial reserves had been built up and that the company was in a very strong financial position. The stock which the

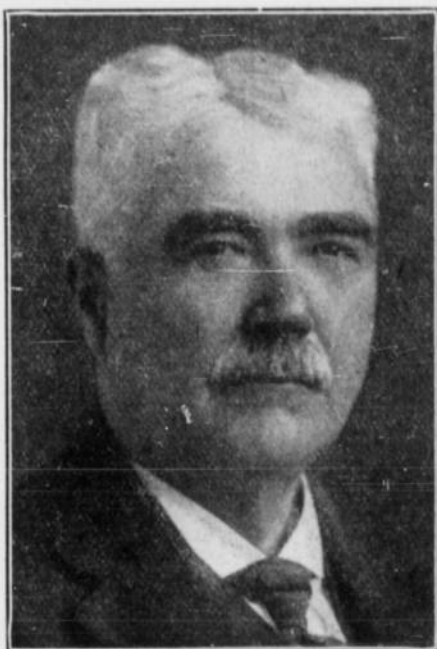
shareholders held in their own company had never been as valuable as it was today and the company had never been in a position to give better service than at the present time. The profit and loss account and the balance sheet were gone into very carefully and many questions asked by delegates were very fully answered. At the conclusion of the discussion all the reports presented were unanimously adopted.

## Old Directors Re-elected

In accord with the by-laws of the company whereby one-third of the directors retire each year there were nine nominations made to fill the four vacancies. The result of the ballot indicated that the delegates were very well satisfied with the manner in which their business had been conducted during the past year, as the four retiring directors were all re-elected by large majorities on the first ballot. The directors re-elected were: J. F. Reid, Oreadia, Sask.; John Morrison, Yellowgrass, Sask.; F. J. Collyer, Welwyn, Sask.; and W. B. Kirkpatrick, Excel, Alta. The other eight directors of the company are: Hon. T. A. Crerar, president, Winnipeg, Man.; C. Rice-Jones, first vice-president, Winnipeg, Man.; John Kennedy, second vice-president, Winnipeg, Man.; D. G. McKenzie, Brandon, Man.; J. J. McLellan, Purple Springs, Alta.; R. Shannon, Grandora, Sask.; S. S. Sears, Nanton, Alta.; and C. E. Hope, Fort Langley, B.C.

After clearing away the annual reports

Turn over to Page 22



John Kennedy  
Second Vice-President



Hon. T. A. Crerar  
President



C. Rice-Jones  
First Vice-President

Of the two export companies operated by the United Grain Growers, the New York company did a fair volume of business, but faced a good deal of difficulty and on the whole broke practically even, while the Canadian company, which has its head office in Winnipeg, earned a profit from which it had paid a dividend to the parent company. The U.G.G. Securities Company also had a satisfactory year handling general fire and hail insurance and paid a substantial dividend to the parent company. The U.G.G. Sawmills Limited, which previous annual reports had pointed out as not very satisfactory, has been practically wound up and in accordance with the recommendation made by many delegates last year the directors decided to close out operations at the mill at Hutton, B.C. The company's investment in the mill has accordingly been entirely written off in the balance sheet presented. The general condition in the lumber business indicated that there were more lumber mills than were required to supply the market and it was undesirable to continue the mill with the expectation of sustaining annual losses. The heavy loss which the company sustained in its lumber venture was due to an effort to improve conditions surrounding the sale of lumber and Mr. Crerar pointed out that the result simply emphasized the need of the most careful consideration before any new ventures were undertaken.

A year ago the directors reported that the company had secured an interest in a

whatever accrue to the U.G.G. from this department. The Alberta Co-operative Livestock Producers Limited, known as the Alberta Cattle Pool, had purchased a one-third interest in the U.L.G. and elected half the board of directors. This had resulted in an increased interest in co-operative livestock marketing in Alberta with an increased volume of business. In Saskatchewan a similar institution is in process of organization and discussions had taken place in regard to making an arrangement similar to that operating with the Alberta cattle pool. Manitoba business had increased satisfactorily during the year. Considerable difficulty has been experienced with the Calgary Livestock Exchange and since May the company had been operating under a special license granted by the federal minister of agriculture whose officials had investigated the whole situation. The report of these officials and their findings were received by Mr. Rice-Jones as president of the U.L.G. while the U.G.G. annual meeting was in session and a more detailed report of the livestock business will be published elsewhere in The Guide.

## Operating 382 Elevators

Owing to a decision of the Manitoba government to sell its country elevators the company purchased a number during the past year. At the present time the U.G.G. is operating 382 elevators, of which 122 are in Manitoba, 74 in Saskatchewan and 186 in Alberta. Of these, 19 are leased from the Manitoba govern-



# What Sweet Clover is Doing

*A chapter in reclamation in southwestern Manitoba. Sweet clover and Durum are wooing prosperity says H. L. Montgomery*

THE Guide has asked me to report on the situation in southwestern Manitoba where we set out five years ago to re-establish our lost prosperity with the aid of sweet clover and durum.

Never in the history of Deloraine district did we thresh so much wheat as this fall. Two years previous we were as badly on the rocks as any area ever was up to that time, in any part of Manitoba, but that the crop of 1924 and 1925 had worked a practical miracle through the introduction of Kubanka and Mindum (amber durum) wheat, assisted materially by sweet clover.

Possibly some of your readers may be wondering if the improvement was spasmodic or permanent. All I can say to enlighten them is that, good as 1924 and 1925 were, this year is the biggest yet.

We can now claim that, of the 15 agricultural districts into which Manitoba is divided by the Department of Agriculture, this district has a larger acreage per farmer under cultivation than any other district in the province; has more acres of wheat per farmer by nearly 50 per cent. than any other district; has more horses; more cattle; more hogs and an even number of sheep per farmer with the next highest record. Our turkey population is nearly 50 per cent. higher than our nearest competitor.

How was this brought about? Six years or so ago we started sweet clover. It makes it easy to turn unprofitable patches of sandy, stony or rough land into a real paradise for hungry stock and fairly piles up the fat both in their backs and into the milk. The people had such a crop in 1924 that they did not need to sell off breeding animals and lower our stocks as reported in 1925. Four years ago thousands of acres were abandoned and went back to the hands of the loan companies. In three or four years the whole situation has been changed in an almost unbelievable degree. If it is hinted that a farm may be to rent in the district there is a dozen applicants after it by letter, phone and personal visit. Farmers complain that the loan companies are refusing to take more of their money than they are compelled to accept by their agreements and interest on loans has dropped 15½ per cent.

## Mindum Replaces Kubanka

We all bless the day sweet clover and Kubanka wheat was introduced. The first year we had Kubanka we didn't have much in crop as it was a scorching dry year, 1920. Our Marquis wheat went five and three-quarter bushels and the Kubanka five bushels per acre of a very beautiful plump sample, 63 pounds to the bushel. It's a drought and weed fighter. It has this year proved to be a rain and sprout resister. Thousands of acres of Marquis and other varieties were very badly damaged or nearly useless through sprouting, while across the fence in the neighbor's field scarcely a sprout could be seen on some areas and others a little damage was done on the Kubanka or Mindum crops.

Two or three years ago Mindum was secured in quantities for seed purposes. It was generated by Minnesota Agricultural College from Kubanka, to produce stiffer straw, heavier yield and earlier ripening and still retain the excellent milling qualities of the parent, Kubanka. Manitoba Agricultural College grew Kubanka and Mindum side by side on seed plots, where the latter averaged five bushels per acre over Kubanka for four years. The past two years it is still ahead, though not so much in the average.

Several fields in this neighborhood where both Mindum and Kubanka grew on the same field, the Mindum was four

to six bushels per acre over Kubanka, averaging five bushels from what has been reported up-to-date. Mindum in 1925 had 15 per cent. rust infection. Kubanka 25 per cent., and Marquis 80 per cent. The breaking strength of Kubanka straw is eight pounds, Mindum nine pounds in the agricultural college report.

After our own experience of two years we seeded all Mindum in 1926, so

had no Kubanka to compare on our home farm with Mindum, but a neighbor who had it growing on the same field and seeded the same day cut it eight days earlier. One field had some Marquis in the Kubanka sheaf. Every Marquis head was sprouted and no sign of a sprout in the Kubanka. Sweet clover and durum wheat, particularly the Mindum variety, are remaking the Deloraine district.

*J. R. Weston recounts a few experiences with this valuable legume in one of the driest sections in Alberta*

DURING my work as District Agriculturist for the province of Alberta, at Hanna, Alta., this past summer, I paid particular attention to the growing of sweet clover as a soil fertilizer.

It is a well known fact that the old line farmers of Ontario and Quebec, and also the well established farmers of Great Britain and Europe, grow clovers consistently in their systems of crop rotation. These old line farmers have learned through years of systematic and persistent sowing of the clovers, the value of these legumes in their farming operations.

When these clovers are plowed under as they invariably are during their second or third years the roots decay and if there is sufficient moisture in the soil the nitrates, which have been built up from the nitrogen in the air, are liberated for the use of the wheat crop which should follow a clover crop. This is the logic underlying the use of clovers, and especially sweet clover, in the crop rotations of central, southern and eastern Alberta.

## The Record of One Field

This year I kept under very close observation a field of wheat which had grown a crop of sweet clover for the past two years and which second crop was plowed under as a fertilizer about June 15 of last year. Alongside of this sweet clover, a strip of land about fifty yards in width had been left which had never been sown to sweet clover. This was left as a check field. The whole field was seeded to wheat this spring, the non-clover land and the sweet clover land being seeded at practically all the same time.

About May 24, of this year, I examined the crop growing on this field and found a distinct difference in the growth of the two areas of wheat even at that early stage. The wheat on the clover land was then about six inches higher than was that growing on the non-clover land. It was also much healthier looking.

About June 13, I again visited this field to make further observations and found a pleasant surprise awaiting me there. The wheat crop on the clover land was a very heavy stand, was very even, and was a mass of large, well filled heads, whilst the crop on the non-clover land was very patchy, uneven, and was commencing to dry up and deteriorate. On the other hand the crop on the clover land had a very strong straw which was green right down to the very bottom of each plant, showing very forcibly that it had its roots well established in some strong and rich plant food. This plant food had without a doubt been produced and left there by the preceding sweet clover crops. I took a photograph of this crop at this time which is hereby reproduced.

## Doubled Yield

The crop on the sweet clover land also matured and was cut long before that grown on non-clover land alongside of it. It also yielded at threshing time 32 bushels to the acre, whilst the non-clover crop only threshed 16 bushels to the acre. This phenomenal result may not occur each year on every field so treated, or even on this field in successive years, but this result bears out the facts and which have been so persistently proven by successful old country farmers of the past, that it pays to sow a clover regularly in the crop rotation.

Sweet clover is the easiest of the clovers to grow here in central Alberta. There were some 500 acres sown to sweet clover in this district this year. All crops grew well and all were sown with a light wheat crop, which crops, in the majority of cases, threshed out some 25 to 28 bushels of wheat to the

## Canada's Wheat Supremacy



HERMAN TRELLE  
The New Champion

*The first of what has come to be called the world's championship in wheat was awarded at the New York Land Show in 1911... Sir Thomas, later Lord Shaughnessy of the C.P.R., put up \$1,000 in gold for the best sample of wheat grown on the continent, confident that the money would come back to Canada. Seager Wheeler justified that confidence, and since then twelve championships have come back to western Canada in sixteen years.*

1911 Seager Wheeler, Rosthern, Sask.

1914 Seager Wheeler

1915 Seager Wheeler

1916 Seager Wheeler

1917 Samuel Larcombe, Birtle, Man.

1918 Seager Wheeler

1919 J. C. Mitchell, Dahinda, Alta.

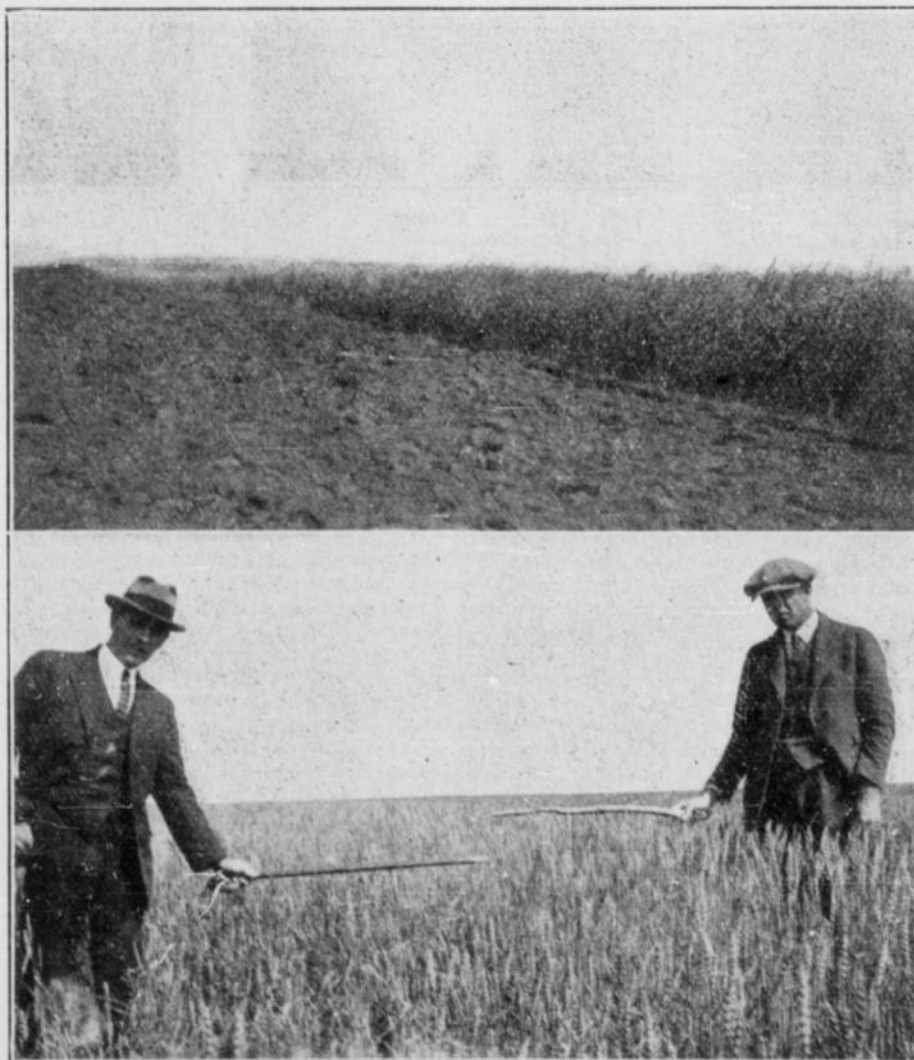
1920 J. C. Mitchell

1922 R. O. Wyler, Luseland, Sask.

1923 H. G. L. Strange, Fenn, Alta.

1924 J. C. Mitchell.

1926 Herman Trelle, Wembley, Alta.

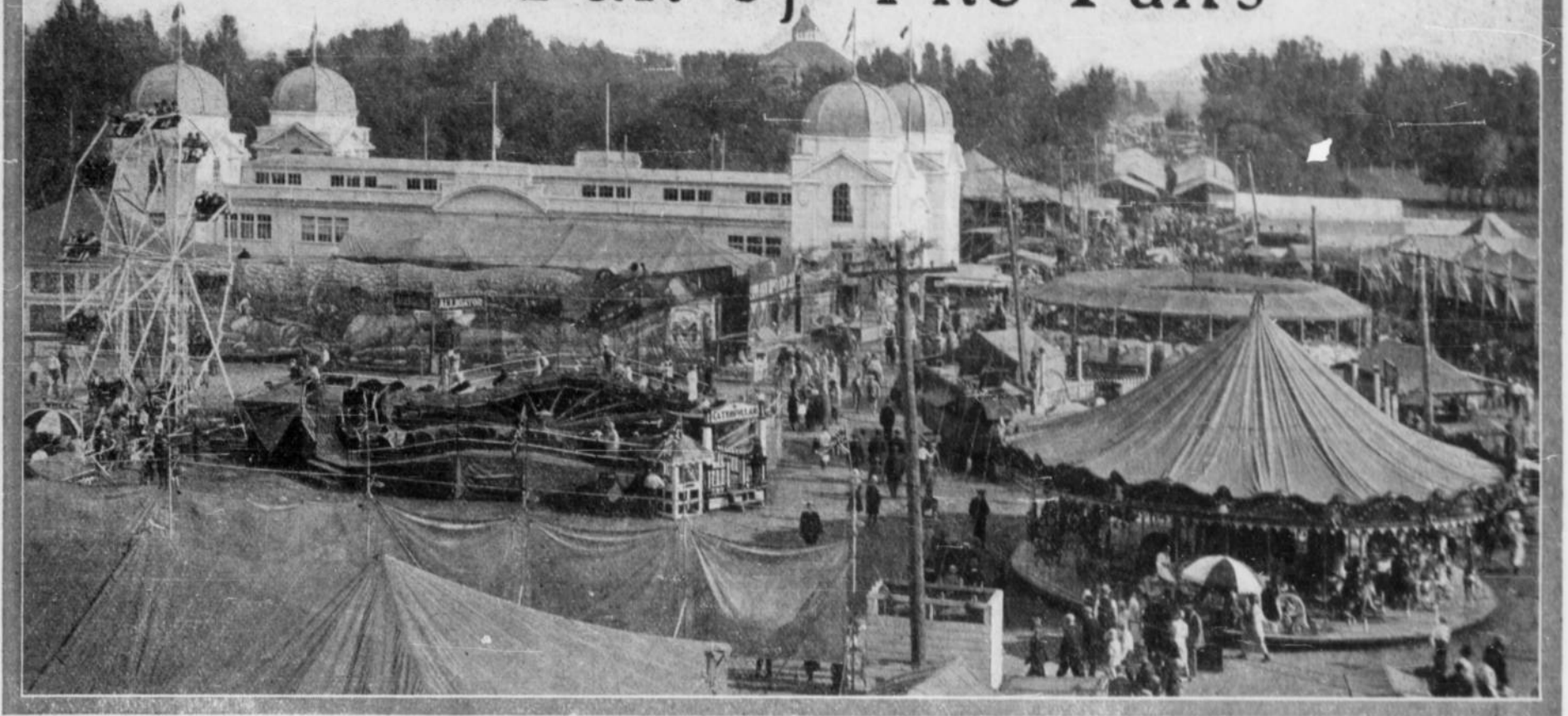


The above illustrations are from the field described by Mr. Weston

The top picture was taken in 1925 when half the field was summerfallowed and the other half growing sweet clover. In the lower picture, taken in 1926 from approximately the same place, the levels of the two sticks shows the height attained by the crop growing on each side of the dividing line in the field.



# The Fun of The Fairs



A corner of the midway at Brandon Fair

## Alex. Galbraith spins yarns gleaned from a life-time's experience with shows and showmen

IT is a far cry from the Royal Agricultural Society Show of England with royalty in attendance to the small fair in northern Alberta. They may be called the extremes, but in some respects they are just the same thing. The same keen competition, the same general interest on the part of the spectators at the ringside, the same conscientious work by the judges, the same anxiety on the part of the secretary or manager in regard to his finances, the lightheartedness of the pleasure-seeking crowd, the same human weaknesses and peculiarities visible everywhere.

I attended an initial fair in Alberta a few years ago where the management consisted almost entirely of foreigners. They had selected for a fair ground a field full of tree stumps, three miles from the village, and the most unsuitable place imaginable, but someone had offered the use of the field free and it was therefore chosen. However, the weather was good, the judging satisfactory, the defects of the location duly appreciated, and everybody enjoyed the day and the opportunity of meeting friends and acquaintances. Since then they have chosen a different field and much nearer the village. They learned something that day and really got a favorable start.

### Well Cured

My earliest recollections recall a story my father told of a neighbor in Scotland who was most anxious to win a prize on a young colt, so took the precaution of sending a ham to the judge as a present a few weeks prior to the show. He got no acknowledgment but in due time exhibited the colt and received fourth prize. Feeling disappointed he sought a favorable opportunity to ask the judge whether he had received the ham sent him. The judge replied, "Yes, it was a real good ham too." The farmer then said he thought that his colt might have got higher up than fourth under the circumstances. The judge, a real humorist, replied that the owner of the first prize colt had sent him a whole pig, whereas, this man had only sent a ham. "Now tell me, he said, what would you have done in such a case?" History is silent as to the farmer's answer.

Another amusing case happened at the local cattle show while I was a

boy. Three good experienced judges were chosen, but only two arrived in time for the show. A local "laird" was chosen to take the place of the absentee judge. This "laird" was really no judge but felt flattered at being chosen to act. In a large class of Ayrshire heifers, one of the judges, Mr. Jardine, said, "Here are two real good ones, they will be Blair's"—a neighboring farmer to the laird, who always had good stock. The laird replied, "Yes, they must be good ones. I will watch them in this corner until you pick out one or two others." Jardine replied, "Never mind, we will look all the rest over and then come back," when the laird enquired, "But will we ken them?"

### Stepped Into Beauty Parlor

At the Highland and Agricultural Society Show in 1872, the third prize Clydesdale stallion, named Farmer's Glory, was generally admired when shown on the Tuesday, but when he appeared in the parade next day nobody recognized him. The groom had transplanted artificial hair into his legs for show purposes, but the hair came out that night, so that next day the legs being bare nobody knew the horse, he was so changed, and the owner was called on for an explanation and was threatened with expulsion, but I forget what happened. At Illinois State Fair a few years ago, I saw a Shire stallion winning first prize that evidently had a good tail, but when seen later in the stall he had scarcely any tail at all, nothing but a short stump. Transformation scene again.

It is amusing to see the extraordinary interest taken by the British public in the royal family when they appear in public. At the Royal Show, for instance, the enormous crowds jostle each other to catch a glimpse of the King and Queen, every man doffing his hat and cheering lustily, then a great many running across the field to some other point to catch another glimpse and repeat the expression of loyal 'v. Especially to foreigners it always seems funny, although, personally, I rather like to see it. While this loyal feeling continues, one can smile at the scaremongers who see Bolshevism in every popular reform.

The Scotchman who on leading his horse away from a Chicago show was asked how successful he had been, re-

plied, "Man, am fortunate in getting my beast hame wi' me. I was feared yon terrible judges wad hae taen my beast frae me as well as the prize."

Disappointed exhibitors are always with us naturally, and it is astonishing how very few men are philosophical enough to accept the judges' decisions at all gracefully. Old Col. Holloway, of Illinois, once the largest Clydesdale breeder in America, forty years ago, would only say when he thought an injustice had been done him, "I really thought those men were better judges than they seem to be." A dozen years later, the same old colonel, although an intensely religious man and superintendent of Sunday school, would curse and swear like the most profane trooper when decisions were against him. Unfortunately experience only taught him how to misbehave, a rather sad reflection.

Jamie Drummond, of Scotland, an old friend of mine, was a well known worthy and had many sayings that were quite original. Examining a horse in the ring one day and in his response to a query by his colleague as to how he liked that fine, big, upstanding horse, Jamie cast his eyes up to the horse's withers and said, "I doot he's owre near heaven to be much use on earth." He stood over 18 hands.

### A Clydesdale Camouflaged

Davie Riddell, the well known owner of Darnley and Prince of Wales, was examining a three-year-old colt with a long tail one day, and remarked to the owner, "John, the day this cowl lost his mither he lost his best frien', but the day he loses this grand big tail, he will lose his next best frien'." The colt had "boggy" hocks and the tail was supposed to conceal the defect.

At the recent Toronto Exhibition, there were over 100,000 children present on Children's Day. They roamed everywhere and enjoyed themselves to the limit. It was arranged that any child that got lost or separated from its parents went to a certain place and received ice cream free. I have been told that nearly 1,000 children got lost during the day—some foxey ones getting lost half a dozen times but always recipients of ice cream. Who wouldn't have been a child that day?

During the last 30 years, what is known as the midway has become a somewhat conspicuous place at nearly

every fair on this continent. I asked the manager of one of these side shows a few years ago if he knew where the name midway came from, and he confessed his ignorance, so I enlightened him as follows: "During the World's Columbian Exposition in Chicago, in 1893, a space outside the gates extending between Jackson Park, where the exposition was held, and Washington Park, a mile west and a full block wide and known as the 'Midway Plaisance,' was given over for side shows, from all over the world, to occupy. It was a beautiful and a spacious place, and for six months all kinds of gaiety and revelry held sway, and the name 'Midway' ever after became a household word and associated with all kinds of side shows."

In 1904, the great Louisiana Purchase Exposition, covering 1,400 acres, was held in St. Louis, and a space corresponding with Chicago's Midway was given over to the side shows and termed "The Pike." It was expected that the latter name would thenceforth be used in connection with these side shows, but the name "Midway" has held the field ever since and "The Pike" forgotten.

These appendages to the fair proper have been increased and expanded enormously, often to the detriment I think, of the fair and the district. A good deal of money is taken away from every fair by strangers, and very little value received, even though one of Edmonton's mayors stated publicly some years ago that he considered the midway was the best part of the exhibition, and he spent most of his time there.

### How's Your Mental Arithmetic

While superintendent of Alberta fairs, I made a study of the methods of some of these side show men and learned something of the "tricks of the trade." At Colinton, one day, I detected a man cheating, and in doing so making money quite easily. He had eight little pieces of wood, 12 inches long, half an inch wide and with flat sides on which was a single number running from one up to eight. For 25 cents the public were allowed the privilege of setting the sticks on end then knocking them down and counting the numbers. If the total aggregated a certain number on the board in green or red, the public won,

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# The Unexpected Christmas Gift

By FRANCIS DICKIE

TWO half snow-blind men on a blurring trail, and the blizzard howling down.

"My God!" Jackson cried, "But I hate to die!"

"Courage," Barnes, his partner, replied. "You never know what may lie just around the corner."

The afternoon was waning. The snow, which three days previously had begun in big, soft flakes, had quickly turned to hard crystals as the temperature dropped. Then a wind from off the distant glaciers had come howling down, whirling the falling snow in rotating walls across peak and ridge and long incline, blotting out the imprints of the two lines of snowshoes which Corporals Barnes and Jackson of the Royal Canadian Mounted Police had been following.

From the very start of the man-hunt, the two mounted policemen had been unlucky.

Five days earlier the sluice boxes of the Second Mining Company had been robbed on the night before the winter clean-up. Some twelve thousand dollars in nuggets and dust had been taken. The theft had been of amazing boldness. The Second Mine lay on a creek bank in a remote British Columbia Valley. It was worked on shares by five partners. The only other inhabitants of the region were Corporals Barnes and Jackson of the Mounted Police post, half a mile distant. No outsiders had ever drifted into the region. Because of this the mining partners had given no thought to guarding the rich riffles of the sluice boxes, particularly so when the boxes stood only a score of yards from the two cabins.

Yet, out of the night, down the valley to their very door, had come slipping silently on snowshoes, two unknown robbers. They had scarcely more than seven hours start when Barnes and Jackson were in pursuit.

Then, while making a brief halt for tea, Jackson had broken his snow-glasses. They day was clear and fine. The sun of late December poured over the wastes of snow on mountain sides and valley bottoms, turning the whole expanse to a dazzling mantle that beat upon the eyes with dreadful intensity. The refracted rays hurt the skin almost as sunburn does.

The two policemen had gone on, taking turns wearing Barnes' snow-glasses. This had a little relieved their eyes, but not sufficiently. The second day of following the snowshoe trail both men were suffering great pain, and their sight was dimming.

On the second day of their journeying, the sun had been blotted out. The clouds dropped low. A brooding hush laid its hand upon the wilderness, portentous of coming storm. Yet Barnes and Jackson had proceeded. From their knowledge of the country, they knew they were drawing near the Morton Valley, at the end of which the railway touched. Toward this point, undoubtedly, the sluice-robbers were making.

The police were moving along the ice of Pup Creek, which descended through a long, narrow gulch, leading into the Morton Valley, when the first light onslaught of the blizzard burst upon them. Hour after hour they had plodded while the daylight lasted. On the first night had come a slight lull. Amid the trees they had huddled till the passing of the night. The snow was piled high among the green trees. In the howling wind and swirling snow a fire was impossible. They had munched hardtack biscuits.

The lack of warm food is the most debilitating fact with which modern man is faced when travelling in the winter wilderness.

Barnes and Jackson, chilled and weak, their eyes shot through by darting pains, as if a phalanx of burning needles pierced them, had started their second day of bucking the blizzard. As the morning drew on, the storm had increased in fury. Moving slowly, they passed out into the Morton Valley, by noon striking the ice of the Morton River. Here the going was a little easier, for the wind had swept the ice clear for long stretches.

Morton Valley station was the only point of escape to the outside world. Barnes and Jackson, knowing this at the outset, and expecting to make the journey in three days, had carried only food sufficient for this time. Slowed down by the blizzard, and requiring more nourish-

ment by the very reason of their struggle, they had consumed most of their food by the time they reached the Morton River. They camped for the second night while still ahead of them stretched 50 miles of plodding in the whirling snow, their continuing only made possible by the guiding river ice.

With thoughts no longer on their quarry, but intent on making Morton River station to save their lives, they set out at the third day's dawn.

Early in the day Jackson's right foot had gone through an air-hole, wetting him to above the ankle. They were well out on the ice of the river, too far to reach the bank and make a fire in time, even if a fire had been possible in that swirling world of white. Jackson had wrung out the sock, emptied his boot, replaced them and gone on. He had stamped vigorously as he walked; but the frost had got him; taken a deep hold.

Now, as night came down on this third day of struggle, Jackson moved in a delirium of pain and weakness, wringing from him that involuntary cry: "My God, but I hate to die!" After a long silence, he said again, plaintively, "And, gee, day after tomorrow is Christmas! What'll we have for dinner? I say, what'll we have for dinner?" His voice rose shrilly, giving way to a hysterical titter, horrible there in the gathering gloom against the boom of the storm.

Barnes caught the arm of his trail-mate, reassuringly.

"Steady, steady, old man, hang on to yourself. You never know what good thing may lie around the corner."

Side by side they stumbled on into the gathering night. Just at dark Jackson fell, laying breathing heavily.

"I can't go on," he murmured wearily. Barnes slipped his thin blanket roll from his shoulders.

"All right, all right," he said soothingly. "I'll stick by you."

## II

Up to the solitary cabin's single window the northern winter night darkened its howling files of stormy marched, and drove on with wailing voice among the peaks around, towering high on either side of the Morton River, and through the close ranks of the spruce and balsam, reaching interminably away over plateau, ridge and long incline, and snow-filled valley bottom.

The cabin snuggled among a clump of young balsams on a little flat a few yards back from the river.

"Listen to it howl. We certainly were lucky to make this cabin yesterday," Lismer said. He lay sprawled upon one of the two bunks built against the wall on either side of the sheet-iron stove. His face, despite a week's growth of beard, showed the blister caused by the sun and the refraction from the snow. He was tall and thin, perhaps 35 years of age.

Branston, his companion, a short, thick-set man of 50, seated on the opposite bunk, his legs idly swinging, nodded, adding after a time: "It's a good thing

we spotted this cabin on our way in, so we knew where to head for when the blizzard caught us. Lucky, too, we were near it." He gazed around at the home-made table, at the shelves lined with provisions, the bunks and blankets, the stove, combined heater and cooker, with the baking oven drum fitted upon the stove pipe. The spruce wood snapped cheerily in the tightly filled stove. The kettle on the back lid gave off a long droning, sighing, a somnolent, soothing voice of peace and comfort in answer to the booming of the storm.

"I wonder who owns it?" the elder man went on wonderingly. "It isn't often you find a cabin left all outfitted."

"What's the good of wondering. Just be glad we are in it till the blizzard ends," Lismer answered.

"Damn this blizzard!" the older man replied. "If it hadn't been for it, we would have been on the train by now."

"Oh, it isn't so bad," Lismer objected. "It will wipe out our trail. Whoever follows us will be held up, too. We've got plenty start not to need to worry."

Quietness settled in the room. The darkness, blurring everything within, the beat of the storm without, the song of the kettle, somehow was queerly restful.

After a long while, Lismer said: "I just remembered—tomorrow night is Christmas eve. Funny, but the thought always turns me to thinking of home, though I left there when I was 18, and haven't been back in 20 years. Our farm there in Ontario was just across the road from another family. There was one boy in it, an only child, about my own age. Ever since we were little fellows, the two families took Christmas dinner together, one year at our house, the next, theirs. What times we had!" A mournful longing had crept into his voice; the old, old cry for lost youth.

"I never had a better pal than that kid across the road. I think kids feel friendship more than older people. Anyhow, looking back on it, it seems that way to me. I've never felt for anybody since, like I did for him. And then, of course, he saved my life. My father bought me a pony when I was 14, a cayuse, with a stripe down its back, right raw off the prairie. They shipped a lot of them in cheap in those days. I shared it with Billy, my chum across the road."

"The pony was pretty wild. One day when I had it out, about the third time since I got it, I had just put my foot in the stirrup and was swinging up when the pony gave a jump ahead. I lost my hold on the saddle, and the next thing I was hanging head down, and Mr. Pony away on the jump down the lane, straight for the open gate. Lucky for me, Billy was just coming across the road. My, he was cool. He gets to the gateway, and as the pony charges down, grabs the bridle. That pony sure was wild and tough in the mouth. It dragged Billy off his feet. He was only 14 and a light kid at that. It tramped on him, but he hung on, and got his fingers over its nose, and after it had

run about a hundred yards, he pulled it up. He saved my life alright."

Lismer halted, sat gazing wistfully into the fire, a far away, longing light in his eyes, dreaming of home, of happy boyhood, and those merry Christmas gatherings at the quiet farmstead facing the concession road.

"Billy went away West when he was 18. He wrote me a couple of times from Alberta, where he was wandering around from ranch to ranch. Then he quit writing. I was a couple of years younger. I didn't strike out for myself till I was 20. I came West, too, followed logging, surveying and mining. And all these last 18 years I've always been hoping that I'd run into Billy. It's funny how you feel about certain things; ever since he saved my life, I always wanted to do something for him in return."

The older man nodded understandingly. Lismer's words had also waked in him recollections of happier Christmas times. His thoughts, however, quickly reverted to more immediate things. He said: "There's only a train stopping at Morton River station every other day. According to the time table, the next one we can catch will be Christmas night. If this storm let's up, we can leave here Christmas afternoon and make it easy."

Both were weary from their recent hard travelling. At nine o'clock Branston blew out the lantern. They were soon asleep. They slept the clock around. When they awakened the sun was shining dimly through the frosted pane. A profound hush lay over the region.

Behind the house a tiny spring bubbled up. Lismer, the water pail in hand, opened the door to go to it. As he stepped outside, the pail dropped from his hand. He stood staring at the object a hundred yards distant, moving across the snowy river surface toward the cabin. In the first moment, Lismer thought he looked upon a dog drawing a toboggan. Then he realized it was a man on hands and knees with something trailing behind. Lismer threw open the door.

"Hoy, Branston, here's someone in trouble."

Together they ran down the sloping bank and across the hundred feet of ice. At sight of their coming, the crawling man ceased his forward movement, raised himself to his knees.

Lismer and Branston looked a moment upon a face puffed and peeling from frost-bite, at swollen, half-closed eyes. Then the kneeling man fell forward in utter collapse. But it was what lay behind him that fully awoke admiration in the hearts of the rescuers, themselves experienced men of the trail, and so better able to comprehend the splendor of the action.

A second man lay upon the ground-sheet from a blanket roll. Torn strips of blanket held him, and also served as lines running from the end of the ground-sheet to over the shoulders of the just fallen man.

And though the short bearskin coats worn by the fallen men, and the yellow stripe upon their dark blue trousers, proclaimed to Lismer and Branston their calling, they still carried the victims of the storm to the cabin, tenderly undressed them and placed them in bed.

For some time Barnes and Jackson slept heavily; then Jackson raised his voice in delirious babbling.

"Christmas! Christmas! I wonder what Santa'll bring me?" His voice died away.

Lismer rose from his seat beside the table, crossed to Jackson's side, and laid his big, cold hand soothingly on the fevered brow.

"Christmas! Christmas! and Johnny will be over tomorrow. . . . Oh, Johnny, I bet you don't know what Santa brought me!"

Lismer raised his hand abruptly. His eyes sought the swollen face before him with startled, eager glance.

The sick man tossed uneasily after the removal of the hand.

Lismer replaced it; with soothing touch rubbed the fevered brow.

Still Jackson babbled on: "Too bad; too bad. If we'd have got that gold back, it meant a promotion, sure . . . Sergeant Jackson, if you please! . . . but we won't get them now . . ." His voice changed to talk of long straight roads, of snow lying deep upon the fields, and bright lights shining through windows



Mushing in the Valley of the Bow

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# THE GRAIN GROWERS' GUIDE

Organization - Education - Co-operation

*Equal Rights to All and Special Privileges to None*

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## The U.G.G. Meeting

When the delegates at the U.G.G. meeting in Calgary decided not to accept the offer of the three wheat pools to purchase the company's grain-handling facilities, their decision was undoubtedly a wise one and will have a far reaching effect in the years to come. In declining the pools' offer there was no antagonism whatever towards the pools, as may be judged by the fact that probably three-quarters of the delegates were members of one or other of the pools, as well as shareholders in the U.G.G. It was a cold, hard headed business proposition which the delegates had to decide upon and there was no doubt in their minds that they wanted both the pools and the U.G.G. to remain in existence in order to provide the very best possible service to the farmers in all three provinces in the marketing of their wheat and coarse grains.

The spirit which characterized the debate upon the question was a tribute to the intelligence of the men selected by the shareholders to transact their business. Personal prejudices were not allowed to cloud the issue and there was no heat nor ill feeling displayed. By the maintenance of this spirit farmers' organizations will be enabled to make their greatest progress.

The Guide has always held the view that in the best interests of the farmers it would be a mistake, for some years at least, to do away entirely with the farmers' grain-marketing companies and concentrate everything in the pools as the only farmer-owned marketing system. The pools in Western Canada have been the most phenomenal development in grain marketing in recent years. But while the pools have made an extraordinary development they are still in the experimental stage and that experimental stage will really not be passed until the second sign-up is completed and pool members themselves, after four or five years experience, have had an opportunity to decide whether they prefer the pool system of marketing. During the past year, while the pools marketed 187,000,000 bushels of wheat there were 174,000,000 bushels marketed outside the pools. There were 25,000,000 bushels of coarse grains worked through the pools and 107,500,000 bushels outside. Thus the pools marketed 52 per cent. of the wheat, while of coarse grains the pools marketed 23 per cent. While the pools marketed an enormous volume of grain the fact still remains that more than half of the wheat and coarse grains combined were marketed outside the pooling system. This is the outstanding fact which justified the delegates at the U.G.G. annual meeting in deciding that the U.G.G. should continue in business to serve those many thousands of farmers who have not yet become members of the pools. Nor is it anticipated that all the grain of the prairie provinces will ever be marketed through the pools.

The finest and strongest grain-marketing system for this country undoubtedly demands the very best that can be provided by the pools and the U.G.G. as well. Year by year the pools by experience will undoubtedly move towards greater perfection

in the pooling system of marketing. At the same time there will always be a large volume of non-pool grain, and it is equally important that this grain should be marketed through a farmer-owned institution where the profits will go back to the growers and by which there will be afforded the keenest competition against the line companies.

The shareholders in the United Grain Growers may take very pardonable pride in the result of its 20 years' operations. It has been one of the outstanding commercial successes of Canada. During 20 years the U.G.G. has weathered many storms and passed through a number of bitter fights to maintain its existence. Today, however, it is financially very strong, and in the best position it has ever been to render service to its 36,000 farmer shareholders. Not only in the handling of grain but in its various other activities as well the United Grain Growers is rendering a service to the farmers in this country that is not duplicated anywhere else in the world. With the pooling system, together with the U.G.G. to handle non-pool grain, the farmers of the prairie provinces have the best grain-marketing system that the world affords.

In accord with the policy recommended by the directors and adopted by the annual meeting there will continue the closest co-operation and the most amicable relationships between the U.G.G. and the pools. Both of them will have every opportunity to expand their grain-handling facilities and by working together can avoid undesirable duplication. At several hundred shipping points in the three provinces there is the utmost necessity for both pool elevators and U.G.G. elevators at the same point and by working together this can be brought about satisfactorily. Through friendly co-operation the pools and the U.G.G. have both great room for development and for each to continue as a source of strength to the other in evolving improvements in the system of grain marketing.

## The Commonwealth Charter

Once again, and in striking manner, the genius of the British peoples for putting constitutional relationships into definite and unmistakable terms without binding themselves and their successors in the rigid formalism of a written constitution has been demonstrated. The resolutions passed at the Imperial Conference in London, which has just concluded, constitute a new charter for the peoples of the Empire; yet they avoid any effort to determine by law what may be the rights of each in all circumstances. A principle has been laid down. But the manner in which the principle shall be applied has been defined only to the extent that is immediately necessary.

This condition has been reached by a process of slow but inevitable growth. At first the Empire was one in the proper meaning of that term—a collection of territories acquired by conquest and colonization, under the rule of a central government in London. Their inhabitants had no direct representation in the Imperial parliament. Then, as the result, partly of bitter experience and partly of recognition that the overseas communities were entitled to the same rights and liberties as the people of Britain itself, the principle of self-government was accepted and applied. Under pressure of practical circumstances the colonies grew step by step into autonomous Dominions. Finally, during and after the war, it became clear to the view, at any rate of statesmen, that the Dominions had at last grown into full equality with the motherland. From the signing of the Treaty of Versailles onwards this fact thrust itself more and more into prominence. Inconsistencies between old practices and

the new status of the Dominions became more and more noticeable. The necessity for removing these anomalies made itself definitely felt and confronted the Imperial Conference when it met a few weeks ago.

In characteristic fashion, the conference appointed a committee of premiers to discuss the relationships existing between the British nations and to recommend what changes ought to be made to bring official practice immediately into line with them. The unanimous report of the committee was adopted, with similar unanimity, by the Imperial Conference itself. It detailed the changes required to give recognition to the facts—the full nationality of the Dominions, if they choose to assert it, and their equality of status with Great Britain.

Of these the most significant is the change of the status of the governor-general into that of viceroy. The governor-general is recognized as the direct representative of the Sovereign to whom all the British nations alike pay allegiance as typifying their common origin and heritage. To Canada, this means that the Crown acts henceforth in connection with both its internal and external affairs, solely on the advice of the Canadian ministers. That is the principle accorded complete recognition and it precludes the possibility of any future governor-general of Canada declining the advice of the Canadian ministers.

Other matters remain to be adjusted, such as the questions of "Imperial" defence, of the validity of certain Canadian legislation outside Canada, of the right of appeal to the Privy Council, and of the manner in which, in the case of Canada, the constitution of the country is to be amended, together with other minor matters. These will require further consideration but the principle which shall finally govern is, once for all, recognized and accepted.

It is neither possible nor desirable that all the implications of full nationality and equality in status should be settled out of hand and put into formal language. That would be to incur the dangers and disadvantages of a written constitution. The solution of difficulties and problems must be sought as they arise. The direct representation of Canada at Washington, for instance, conforms with the principle of equal status and powers. Other Dominions may exercise the same right indeed. Australia is said to have decided already to send a diplomatic representative to Washington. No doubt the practical relations between the British, Canadian and Australian representatives will offer difficulties. But recognition by each of the authority and status of the others removes the chief source of danger; tact and the spirit of co-operation will remove the rest.

Similarly, the attitude of other countries towards the members of the British Commonwealth presents problems and uncertainties. Cases can easily be imagined in which the recognition of their equal status might or might not be accorded by them by foreign nations. The decisions in such cases, one way or the other, might easily be fraught with serious consequences. But, after all, the world at large will be guided in these things largely by the attitude taken by the British nations themselves. They will be accepted pretty generally at their own valuation, though the self-interest of particular countries concerned may occasionally affect their attitudes. Such matters must, of necessity, be left to the future to be decided by the practical merits of the cases. For the present it is sufficient that the charter of Dominion freedom and equality has been signed and sealed. The Dominions have declared their independence while, at the same time and by the same act, voluntarily adhering to the same Crown and Con-



stitution, and recognizing the binding force of common traditions, institutions and ideals. The debates about centralization of the Imperial government, about Imperial Federation and the powers of the governors-general have been closed. The British nations have emerged from a long process of development, not into an Empire, but into a democratic association of free and equal nations. This decision has been taken. Its effects cannot be certainly foreseen; but there is ample and solid ground for believing that they will, upon the whole, promote the safety and welfare of the peoples primarily concerned and serve the interests of peace and progress throughout the world.

### Railway Strike Averted

The threatened railway strike has been averted. The demand of the conductors, brakemen and baggagemen was for wage increases of approximately 20 per cent., which would have added some \$18,000,000 to the wage bills of the two railways. The chief reason advanced for this demand was that wage levels here and in the United States should be kept in line. A board of investigation and conciliation failed to agree, the majority reporting against the increase. Direct negotiations followed under the threat of a strike and a compromise agreement, too complicated to be outlined here, was effected. In announcing the agreement both parties to the dispute stated that they had made concessions in consideration of the public welfare.

The bare threat of a railway strike should be sufficient to bring home to the Canadian people the power of a small group of men, thoroughly organized and occupying a strategic position in our complex business system, to throw the whole machine out of gear. Had they been so minded these 15,000 men, less than one-sixth of 1 per cent. of the people of the country, could have paralyzed

business from one coast to the other. They could have cut the farmers off from their markets, the city consumers from their food sources and factories from their raw materials and brought suffering and loss to practically every man, woman and child in the Dominion. At this time of the year not even the motor truck could have been pressed into service to take the edge off the situation that would have been precipitated.

Being civilized men and good citizens the railway men shrank from inflicting such hardships on the country even at the expense of conceding what they thought, rightly or wrongly, was a fair remuneration for the services they render. At the same time the public has some interest in the question as to whether or not any group of men has the moral right to disrupt necessary public services and cause untold hardship to millions over a question of wage increase. In the final analysis it is public opinion which decides how wage disputes are settled, but the public can only make its opinion felt by the extent to which it is prepared to suffer while leaning one way or the other as the parties to the dispute are wearing each other out in a war of attrition. The strike is a near approach to war, and just as the nations are endeavoring to abolish war so the strike should become unnecessary and labor disputes should be settled by conciliation or arbitration. Progress is being made as the peaceful settlement of the railway dispute indicates. Surely we have arrived at the time when all labor disputes could be settled by peaceful means instead of by such a costly and unsatisfactory method as the strike.

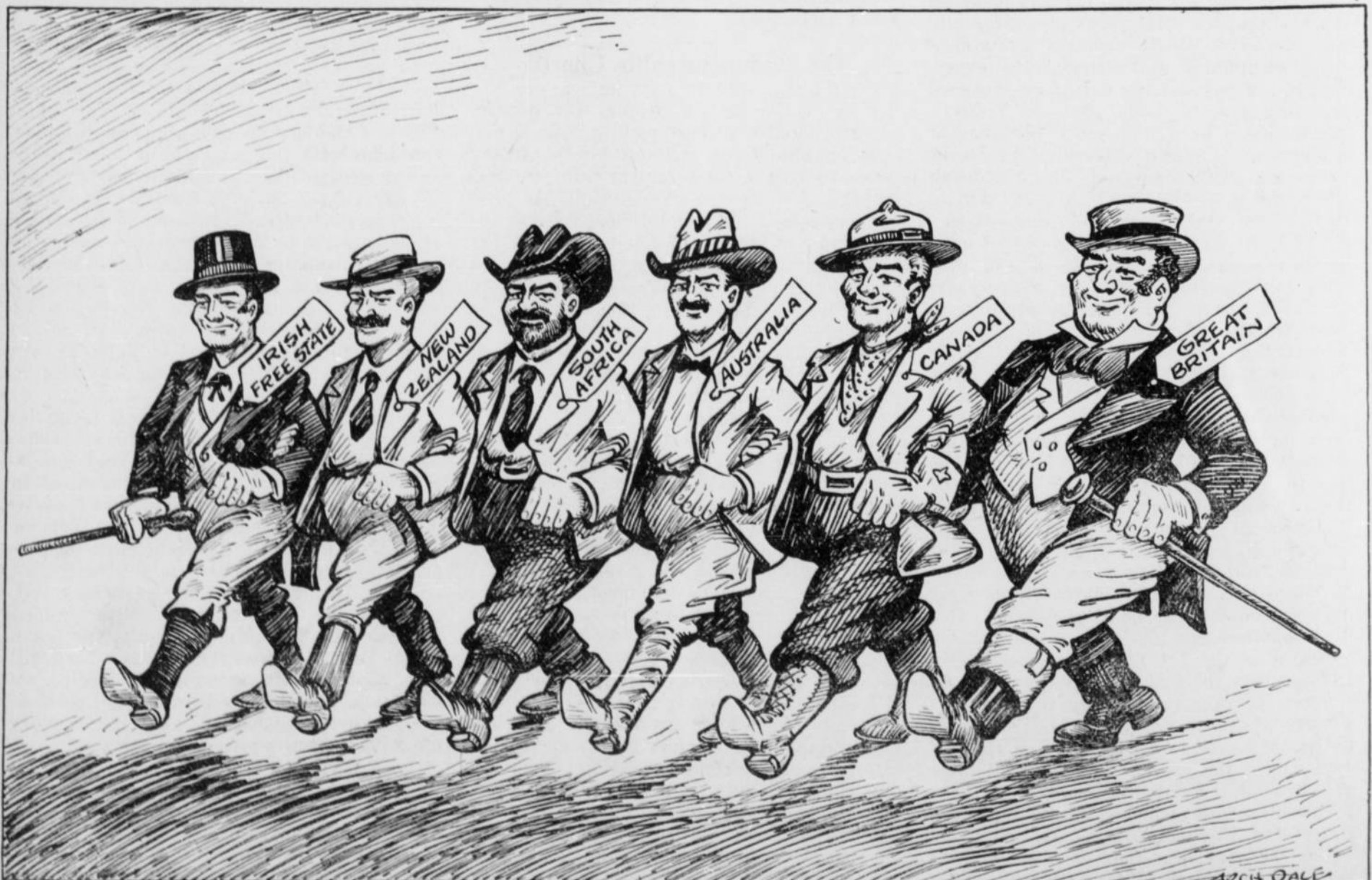
### Protectionism on the Wane

Andrew Mellon, secretary of the United States treasury, has issued a broadside on the tariff. His text is the manifesto of international bankers advising European coun-

tries that their recovery was being strangled by tariff barriers and making a plea for the removal of trade restrictions as the greatest necessity in the rehabilitation of Europe. Mr. Mellon seems rather to agree with the bankers as far as Europe is concerned, but strenuously objects to the application of any of their deductions to the United States.

Notwithstanding this pronouncement and the adherence of the United States to the principle of high protection it is well known that in New York financial circles there is a marked tendency in favor of freer trade. Loans to other nations during the war and since total many billions. New loans are being made at the rate of a billion or more a year. These foreign loans have been the chief factor in building up the export trade of the United States since the war, for loans are not advanced in the form of paper or gold but in the form of goods. Repayment on principal and interest accounts will also have to be made in goods and the big banking interests are beginning to see that freer trade would facilitate repayments.

The big manufacturing interests of the United States are also showing signs of weakening on the tariff question. In his report to Congress, recently published, Secretary of Agriculture Jardine points out that industry has acquired an export surplus problem nearly as acute as that of agriculture. Manufacturers see that if they are to continue to expand their foreign trade the country must be ready to take more goods in return. At the same time some farm leaders are making attacks on the tariff which, they are at last beginning to realize, is a factor in keeping up farm costs of production. Secretary Jardine curiously joins with Secretary Mellon in pleading for the maintenance of the tariff, but unless all signs are misleading high tariff sentiment has passed the peak in the United States and is beginning to wane.



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The whole fabric of farmer-owned business in Western Canada has grown up from the beginnings thus made.

The capital of the new venture was small. Its real capital was the faith of farmers in a farmers' company, and the belief that a farmers' organization, owned and controlled by farmers, could handle business for farmers better than it had been done. That faith has been abundantly justified.

In 1914 the Alberta Farmers' Co-operative Elevator Company was formed, and in 1917 it amalgamated with the Grain Growers' Grain Company to form United Grain Growers Ltd.

The five thousand dollars capital of twenty years ago has grown to three million dollars subscribed and paid in by thirty-five thousand Western farmers to back their faith in their own Company. The Company now administers assets of more than ten million dollars, and has a general reserve and surplus of more than two million dollars.

During the twenty years of this Company's life and growth most of the development west of Manitoba has taken place. In that year there were fewer than eight million acres under crop in all the West, and only three million acres west of Manitoba. That was the first year in which the whole West raised one hundred million bushels of wheat. Wheat production alone has been multiplied by four during that time, and the total area under all crops has increased more than four-fold.

Immense savings have been made to farmers through their organization, in better elevator service, in better prices and in better grading of grain. In other directions, such as the purchase of farm supplies and the better marketing of livestock the savings have amounted to millions of dollars.

But the greatest benefit cannot be measured in dollars. Through managing their own organization farmers have learned that they can conduct their own affairs. The increased respect which is now paid to farmers and to the needs and desires of farmers in national councils has been based to a very large extent on the capacity farmers have shown during twenty years in successfully running their own business.

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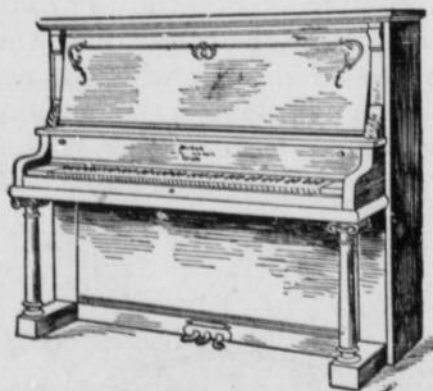
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Two photos taken in Mr. Munday's Raspberry Patch on June 7, 1925

The bare stalks of the Lathams in the picture on the left show that this variety froze back severely — so much so that it was hardly worth picking the fruit. The row of Herberts on the right show only a little winter killing of the tips. This variety yielded a very heavy crop of fruit. The new growth of wood at the end of September was over six feet.

*A. R. Munday's fruit patch on the fringe of the Red River valley at Oakville, comes back strong after discouraging season of 1925. Harvests \$1,000 worth of raspberries per acre*

**L**AST year recorded in The Guide some ups and downs in fruit-growing. This year Nature was kinder and few "downs" fell to my share. Strawberries were a normal yield, with fruit of largest size; raspberries proved the heaviest crop yet, with the great weight of berries bending the canes to the ground. Currants yielded heavily as usual; and tree fruits with a few exceptions were a satisfactory crop, this last in spite of a tempestuous spring with high winds throughout the whole blossoming period.

The experiences of the last three years with everbearing strawberries (Progressives) was again repeated. Even under a straw mulch these plants either die out or are so weakened during winter that they bear no summer crop, and if they do begin bearing by early fall the berries run down very small in size unless the season is wet, while if frosts come early the fruit is spoilt before it ripens, even though the plants continue in flower until the ground freezes. Senator Dunlap and Dr. Burrill are my stand-bys in the July bearers, though I begin to look with favor on Chaska, a Minnesota variety.

Latham raspberries have proved somewhat disappointing here. Last year I had no crop at all from this variety, due to the canes killing to the very ground the previous winter. This year, however, I had a yield from the same plants which I think will be hard to beat—over \$1,000 worth of Lathams to the acre! High as this yield is, I still consider Herbert the better variety for home use. The Herbert with me equals and often surpasses the Latham in size of fruit—I have had them up to an inch in diameter—and is of superior flavor, while year in and year out the Herbert has outyielded Latham, it being an annually heavy bearer. In addition to this, while Latham is quite susceptible to mosaic, Herbert is among the varieties which are most resistant to that ravaging disease.

### A Wet Season Difficulty

Owing to the very wet fall some varieties of plums split badly and had to be picked before they were fully ripe. The quality of two of these, however, was plainly first-class. Pembina grew some huge fruits. It is a good plum, yields well, is early in season, of large size, attractive appearance and the tree seems hardy. It is a Hansen plum, a cross of Manitoba wild with the large Japanese variety, Red June. Kaga, a plum-apricot hybrid, though smaller than Pembina and not so hardy, seems of first rate quality. It is about two weeks later in ripening.

The three outstanding varieties of improved native plums—Assiniboine, Mammoth and Cheney—all fruited well. As a dessert fruit, my choice of the three is Mammoth, while Cheney seems the better when preserved. Assiniboine is the hardiest. Improving these plums of wild origin has so altered them that they are scarcely recognizable as natives.

Tom Thumb cherry fruited well for the first time and proved so popular with visitors that we had hardly a taste for

ourselves. It is a delicious fruit to eat out of hand and of good cherry size. Champa, a dependable bearer, fruited very heavily.

### An Interesting Novelty

A new variety of Prof. Hansen's deserves some notice, though it is still emphatically in the experimental stage. This is the Oka cherry, the professor's response to a request from a Canadian nurseryman for a fruit which would dry-up, prune-like, on the tree, enabling prairie fruit growers to go one better than California and pick their prunes already dried. The Oka is a seedling of Champa but with much larger fruit, nearly equaling Sapa in size and surpassing even that variety in flavor while resembling it in color of skin and flesh. The insufficient test of only one winter here puts it about even with Champa in hardiness, though further north in this province it froze back quite badly. The bush is dwarf and of neat growth, and being of sand-cherry parentage it is an early bearer.

Some notes on the dates these fruits ripened this year may be of interest. Opata as usual was ripe earliest; we picked the first fruits on August 10 and the last on September 5, though these last were somewhat over-ripe. Tom Thumb and Oka seem of nearly the same season, ripe August 15; Mammoth was next, August 29; and Assiniboine, September 2; Sapa, September 5; and Sansota and Champa, neck and neck, ripe September 7. Transcendent crabs bore well, one tree in its second bearing season yielding nearly two pailfuls of fine fruit.

The wild sandcherry seems to deserve greater popularity. Few fruits yield more heavily. The fruit of selected seedlings is of good size, nearly as large as Champa, and makes a dark colored sauce of very pleasing flavor. Then, too, the fruit pits as easily as the red preserving cherry, while its early season—fully ripe August 31 this year—combine with absolute hardiness and ease of culture to make it a very desirable fruit for prairie farms.—A. R. Munday, Oakville, Man.

### Big Radishes

The Guide article dealing with the unbelievably large radishes of antiquity caused the editors some misgiving, but W. H. Carruthers, Portreeve, Sask., comes to our relief with the following comment:

"About 25 years ago, when living in Ontario, a farm neighbor, Fredrick Birch by name, brought a radish to my house to have it weighed. This radish weighed about 19 pounds and was about the size of an ordinary two-gallon pail; very similar to an Aberdeen turnip. Mr. Birch left the radish with me and I shared it with three other families. It lasted several days. The flesh was crisp and tender—very fine eating. The seed had come with other garden seeds from Rochester, N.Y., but I have never been able to get seed of this large variety. Could some Guide reader direct me where to procure it? I may add it was a winter variety."



## Coaxing the Cold Engine

Winter operation is not to be dreaded if the operator will study his engine and master its peculiarities

By H. R. ROBSON

Instructor in Gas Engine Operation, Manitoba Agricultural College

THE starting and operation of gasoline and kerosene-burning engines in cold weather has always been a problem for the operator of this form of power. Particularly the starting. Whether the engine is a single or multiple cylinder, high or low speed, does not seem to make any difference. The chief difficulty, no doubt, can be traced to the slow vaporization of liquid fuels at low temperatures, and of late years this has been greatly increased by the decreasing volatility of commercial fuels.

This, however, need not present a problem for the engineer who is desirous of running his motor in the winter time as he can always secure a supply of high test gasoline for starting purposes. A few gallons of gasoline testing 74 to 80 degrees Baume should be sufficient to start the average engine for a season. All that is necessary is enough to prime each cylinder for a few impulses; there will then be heat generated to vaporize the ordinary fuel. Or, failing to have the above-mentioned fuel, a little of the regular gasoline can be heated.

In heating such a liquid as gasoline there is considerable danger and this should be gone about in a careful manner or disastrous results may occur. It is, however, common practice among engine experts to place a cupful or two of gasoline in an open vessel, such as an old can, and light it, allowing it to come to the boil, then smothering it with a cloth and pouring the heated liquid directly into the engine cylinder. This above plan is not advisable in or around buildings from the danger of setting fire to them.

Another method is the placing the vessel of gasoline in a pot of boiling water and heating that way, then priming in the usual manner. Still another system is the heating of the igniter or spark plugs, and this seems to be as efficient as any.

### Condition of Engine

To the writer the greatest difficulty with winter starting does not lie in the fuel, but in the mechanical condition of the engine, and this phase should be studied by the engineer.

Beginning with the simplest form of single cylinder stationary, equipped with make or break, battery ignition, the first essential necessary is good compression. This, of course, is true for good results at any time.

The condition of battery comes next and it will be found as a general rule dry cells showing under ten amperes are of very little use in cold weather. These should be kept in a warm place when not in use.

The igniter moving parts must work freely, especially is this true of the movable electrode, as a large percentage of engines failing to start can be traced to gummy corrodes, sluggish movable electrode, the break occurring so slowly as to produce a very weak, if any, spark at the points. The igniter points should meet each other squarely with the edges slightly rounded and be free from pits. The use of a little gasoline on the moving parts will assist in keeping the parts free. The spring tension on the hammer break should be a little stronger for winter work.

In engines equipped with oscillating magnetos, the tension of springs on the

rotor arm, the length of travel of the rotor, generally about 450, must be sufficient to ensure a quick, snappy recoil of the armature or rotor in order to produce the hot spark necessary to ignite.

Here, again, the lubrication must be watched, as a thick, heavy oil on the moving parts will slow up the recoil speed and consequently cause a weak current to be generated. All lost motion should be taken up on igniter and magneto connections. This is true of any ignition apparatus, more especially, however, those of the oscillating type. The impulse couplings on high tension magnetos must be kept free from heavy oil if a hot spark is to be produced for starting. In some cases it is necessary to slightly warm the coupling housing in order to get it to function properly.

The lubrication of internal combustion engines in cold weather needs some thought on the part of the operator. This is truer, possibly, in the multiple cylinder units, such as tractors and automobiles, than in the stationary type. Particularly is this true in kerosene-burning engines, as this type demands an oil that will withstand high temperatures, heavy pressures, and the penetrating and diluting effect that kerosene has on a lubricant. An oil that has these characteristics invariably thickens at low temperatures, and, due to the fact that conditions in the interior of a motor are practically the same in winter as in summer, a change to a lighter oil is not advisable; therefore, it is up to the operator to meet these conditions. The plan of draining the oil from the crank case while the engine is hot, and putting it back hot when it is desired to start up again, is a very good one and will repay the engineer by the long life of his machine. In the case of mechanical or sight-feed oilers, the putting in of warm oil gives a motor a fair chance to perform properly. Considerable damage often results from starting up a cold engine before the lubricating oil can become warm enough to circulate.

### Cooling System

The cooling system should receive some mention as it needs constant watching in cold weather, more especially after starting than before. The thin film of water in the cells or tubes of the modern radiator will often freeze while the engine is running and the water circulating. This, of course, can be controlled by the operator covering all or part of the radiator. It is a good plan to remove, or at least slacken the radiator cap when operating in cold weather, as the overflow pipe very often freezes and the water on absorbing the heat will expand and fracture the cells.

The use of kerosene as a cooling medium is not generally advisable as there is an element of danger in the fact that the boiling point of kerosene is too near the melting point of solder. Should the circulating pump or fan belt stop or even slacken, a damaged radiator might be the result.

The storage battery, if left in the car, should be kept well charged and examined frequently in winter time. The following are the temperatures that the electrolyte in a battery will freeze:

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"	1160	charged	+13 "
"	1225 1/2	"	-38 "
"	1260 1/2	"	-60 "
"	1280-1300	fully charged	100 "



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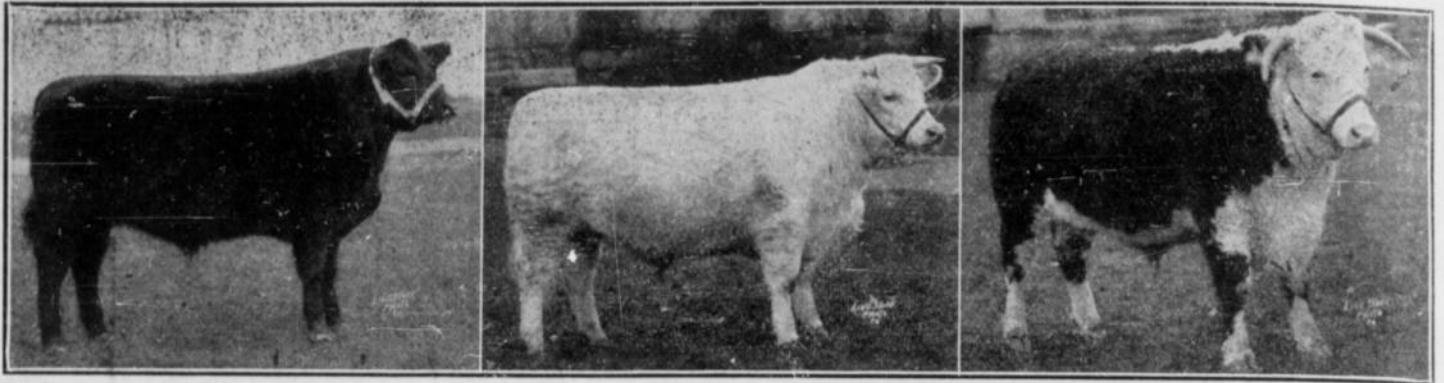
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University of Alberta Steers Which Swept The Boards at Toronto Royal

Left: Pride's Lad grand champion Aberdeen-Angus steer. Centre: Limore 2nd, grand champion Shorthorn steer and later champion over all breeds. Panama Donald, grand champion Hereford steer. Shown at Chicago the following week, the black and the whiteface steers won first in their respective classes, while the Shorthorn was second. These steers, along with the rest of the pure-bred steers finished by the University, were donated by private breeders for experimentation and show purposes.

## Canadians at International

**T**HERE have been a few outstanding things in connection with this big annual event which closes tonight that may be of some interest to your readers. The weather has been good throughout the week, not much sunshine, but neither rain nor snow, and a steady temperature of about 30 degrees every day. In a great many previous years the first part of the week was fine and the last part finishing with a bad snow storm. The attendance every evening throughout the week has practically been a record breaker. Only on one evening, two years ago, when President Coolidge was present, was there a larger attendance than there was every night this week. The management are equally surprised and gratified, as they fully expected a smaller attendance on account of the somewhat unfavorable farming conditions all over the United States.

The show of beef cattle was larger and better than ever. This is especially true of the Herefords and Angus breeds. Shorthorns were also good, but as compared with some previous years, not so outstanding. The grand champion steer, a 10½ months old calf—a Hereford—owned by Oklahoma Agricultural College, was a popular champion, and sold at auction for the unprecedented figure of \$3.60 per pound. The calf netted about \$3,490. The reserve champion was an Aberdeen-Angus, as was also the champion car-load lot which realized 55 cents per pound—also a record price. The Pennsylvania Railway Company purchased the winning car load, while a hotel in Atlantic City secured the grand champion Hereford steer. The University of Alberta exhibited six steers and won two first prizes, two second prizes and one third prize—certainly a most creditable showing considering the strong competition.

## Sask. Clydes Successful

In Clydesdale horses, the exhibit from Saskatchewan was wonderfully successful. The grand champion stallion was Forest Favorite, owned by Haggerty and Black, Belle Plaine, Sask., the grand champion mare was Bonnie Betty from the College of Agriculture, Saskatoon, the junior stallion champion was a beautiful black foal, also from the college, and the senior champion mare was Lady Price, from Indian Head Experimental Farm. In addition to these champion honors, several other prominent prizes were secured by members of the Saskatchewan

exhibit, so that this province was most outstanding so far as Clydesdales were concerned. In Percherons and Belgians, several honors were also secured—the most outstanding perhaps being first prize for pairs of draft geldings in the non-professional class in harness. This was won by a pair of black Percheron geldings, owned by Mr. Moore, of Rouleau, Sask.

As regards the different draft breeds, I would pronounce the Clydesdales and the Percherons as fairly good all over—the largest and best Clydesdale class being that for two-year-old fillies. Suffolks were small in number, but of excellent quality. Belgians made the strongest exhibit of all the draft breeds, and the mares especially were an exceptionally fine lot. The grand champion stallion was a wonderfully developed two-year-old colt of pretty good quality and weighing fully 2,100 pounds. The champion mare was regarded as the best seen for many years.

The only outstanding feature in the seed grain exhibit of special interest to your readers is the winning of the grand championship for wheat by an Alberta farmer in the Peace River district.

Judging throughout the whole show was generally considered very satisfactory, and this is particularly true of the South American judge, Mr. Gordon-Davis, of Buenos Ayres, who judged the grade and cross-bred steers and awarded the grand championship of the show. Everybody seemed to praise his practical, methodical, rapid and satisfactory work every day during the week. His task was a herculean one certainly.

It should be mentioned that Manitoba did not make an exhibit this year, and the only horses exhibited from Alberta were a few Clydesdales sent by Mr. Thos. Macmillan, of Okotoks, which were fairly successful, all things considered.—By Alex. Galbraith.

## Prefers Tank Heater to Silo

"Warm water cheaper than feed" was the heading of an interesting article on page 19 of your November 15 issue. Let me add my testimony.

From several years' experience with both a silo and a tank heater in a region where the thermometer has dropped as low as minus 52 degrees Fahrenheit I have come to the conclusion that I would much rather dispense with the silo than with the tank heater.

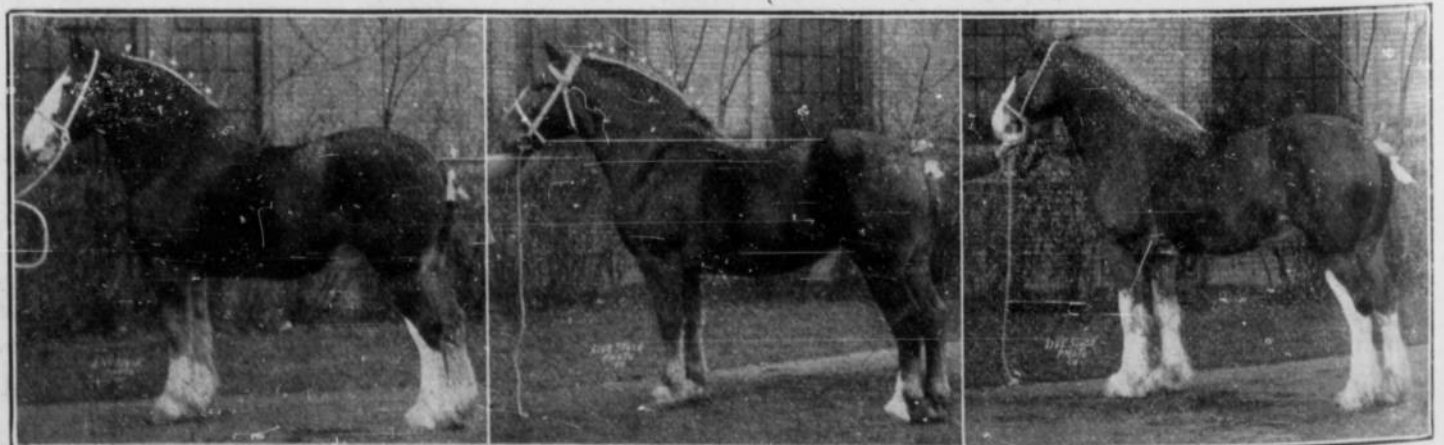
Warm water seems to be beneficial in

many ways. First, it encourages freer drinking. Secondly, it avoids the chill and retardation of digestion that comes from ingestion of quantities of ice-cold water. (By the way, I have more than once known half a pail of warm water to bring around quickly a horse trembling with fatigue and exposure as by going through river ice or driving in storms, etc.). Thirdly, it is laxative, as witness the effect of a drink of very warm water on a team taken out directly for a long drive. Some horses will scour if the water be too warm and the drink too large. Moderation is called for in this instance, but for idle stock the water is seldom too warm, providing the temperature be nearly uniform from day to day. This is important. To warm the water one day and neglect the next merely because the weather is a little less extreme is poor practice. Once warming is commenced in the fall it should be kept up. Fourthly, warming saves work of chopping ice and economizes investment in tanks, pails, etc.

I have used three systems of warming water, the cast-iron pot, the sheet-iron submarine, and the stone-walled fireplace under an elliptical galvanized-iron tank. In our circumstances I much prefer the latter. The pot heater requires short wood or coal and is messy to clean out and light on a cold morning. It does not warm the whole tankful any too well, but does heat the water in its vicinity. If I had to water through a hole in the ice in a pond or even in a stream I would try immersing a cast-iron heater at the drink hole.

Our sheet-iron submarine rusted through the first season and was none too handy anyway. The 12-barrel tank with a fire-place under was installed at the beginning of last winter and has given excellent satisfaction. It burns long, rough wood, such as charred pick-ups from the clearing, roots grubbed out of the breaking, etc. Once a good fire has burned in it the heated material and body of water ward off frost for hours, especially if a lid be closed over the tank and some material be banked against its exposed sides. If necessary, one could melt snow enough in such a tank to run quite a few cattle. We have done it on occasion when the pump was lifted for repairs. I would far rather do this than haul water two or three miles, that is when snow is available. Last winter it was rather scarce much of the time.

We water all our stock twice a day and let as many head as possible have the run of the corral where the tank is situated.



Three of the Horses which Brought Championships back to Manitoba from Toronto.

Left: Aladdin, grand champion Clyde gelding, owned by McDonough and Shea Brewing Co., Winnipeg. Centre: Beauty of Deloraine, grand champion Belgian mare, owned by Chas. Andries, Deloraine, Man. Right: Deanston Choice, grand champion Clyde mare, owned by David Binnie, Rosser, Man.



No more ice water for our cattle. Reserve it for human beings with their hot-soup course.—W. D. Albright, superintendent, Dominion Experimental Sub-Station, Beaverlodge, Alta.

## The Fun of the Fairs

Continued from Page 5

if the total finished on black, the showman won. He gave the impression that he had only a one-third chance to the public's two-third's, but in reality there were as many black spots as the red and green combined.

The real deception however, was something different. It was done in the addition. For instance, he would say three and eight are 11, and two are 13, and four are 17, and six are 22, and five are 27, and seven are 34, and one makes 35. Had he correctly added, the total would have been 36 and on red, whereas 35 was on black. He added so fast that the outsider couldn't follow him after the first two or three figures. I have always been rapid at addition, so I challenged him and he confessed. Next day, and subsequently, I put all the fair secretaries on to his track. He was from California and admitted cleaning up \$2,500 annually, after paying hotel and all other expenses. So much for the fakirs!

### Milord Astounded

An English nobleman was judging hunters at Madison Square Garden, New York, one year when I was judging the hackneys. One evening he asked me for a cigarette, but being a non-smoker I could not accommodate him, and in expressing my regret, I added that where I lived, a man could be sent to jail for dealing in cigarettes, it being against the law. He seemed astounded, and simply said, "My —, where in — do you live?" I may explain that in Wisconsin, where I resided, there was a State law in force against cigarettes, on the ground that the insane asylums were all full of alleged cigarette fiends. Anyway, the nobleman got his smoke through the kindness of the late Col. Hendrie, of Hamilton, who came along at the time.

Alfred Vanderbilt, who, unfortunately, went down on the Lusitania, was a generous supporter of the National Horse Show, in Madison Square Garden, and on one occasion while judging draft horses there, I asked him whether he wished to give his advertised handsome silver cup for best Percheron stallion, to a very mediocre horse without competition. He asked my opinion and I said that the horse had very little merit but happened to be owned by a lady. "Mr. Vanderbilt replied quickly, "Give her

the cup, and there will be no trouble in the family." This was accordingly done.

### Would Test Judges

I have written elsewhere about some of my other amusing experiences in the show-ring which I need not repeat here as the space is already full. That case in St. Louis where another judge and myself were told we must agree without consultation on all four prizes was a condition equally extraordinary and unreasonable.

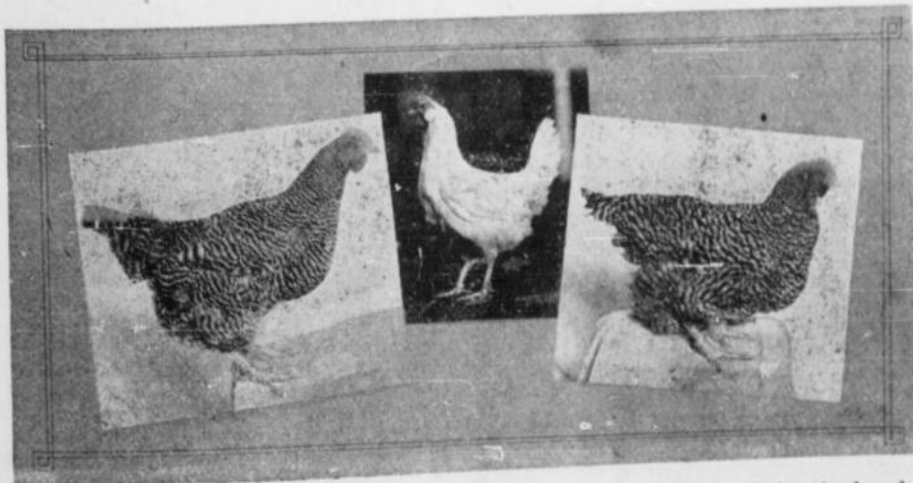
I have repeatedly judged the following breeds and types of horses at practically all the leading fairs and shows of North America: Clydesdales, Shires, Suffolks, Percherons, Belgians, Hackneys, Cleveland Bays, French Coachers, German Coachers, Standard Breds, Thoroughbreds, Morgans, Five-gaited saddlers, Three-gaited saddlers, Hackney ponies, Welsh ponies, Shetland ponies, Polo ponies, Roadsters, Carriage horses, General-purpose horses, Light Draft and Heavy Draft horses in harness, and also on one occasion Jacks and Mules. In regard to the mules, with which I have really no acquaintance, the following clever couplet appeared in another paper recently:

"On mules we find,  
Two legs behind,  
And two we find before;  
We stand behind,  
Before we find,  
What the two behind be for."

Some curious attractions have been offered the public at certain fairs to secure increased patronage. Two old railway engines were sent into collision at full speed at a State Fair one year, and at another a special trip in a balloon was offered to the first couple who would get married in front of the stand. An enormous crowd of spectators witnessed this couple make the ascent while the band played the familiar old tune, "Up in a balloon boys, up in a balloon, isn't that a funny place to spend your honeymoon?"

But go down the midway at any of our larger fairs any evening and see how much fun and enjoyment is on tap. Little groups of friends laughing and joking among themselves, some boys shooting at flying targets, some throwing balls at Aunt Sally, some trying to win blankets by lottery, some by wheels of fortune. Others having their fortune told by an alleged Brazilian gypsy or Oriental witch—the purest kind of fake—but they all seem to enjoy it and part cheerfully with their money. During the day children are entertained on swings, Ferris wheels, merry-go-rounds, or something else. The whole scene is representative of the mad merry age in which we live and is certainly an excellent mirror of 20th Century Vanity Fair.

## World Beaters from British Columbia



The Barred Rock hen on the right, No. 400, holds the world's record for the breed, 326 eggs, averaging 26.18 ounces per dozen. She was bred and owned by the Dominion Experimental Farm at Agassiz, B.C. Weight of bird 7.2 lbs.

The other Barred Rock hen in the picture, likewise bred and owned by the Agassiz Farm, laid 321 eggs in a year, averaging 27 ounces per doz. As this hen weighed seven pounds she produced 6.45 times her body weight in eggs during the year, a remarkable rate of productivity.

The white Leghorn hen No. 6, holds the world's record for all breeds. She laid 351 eggs in 364 days, laying 213 days without a break. She was one of a pen of White Leghorns that holds the world's championship, with an average of 294.6 eggs in 52 weeks. The weight of the bird is 4½ lbs. She was bred and is owned by the University of British Columbia.

The above records remind us that British Columbia holds more world's poultry records than are held by all other provinces and countries put together. The Guide takes special pleasure in congratulating Prof. Lloyd of the U. of B.C. on the performance of his hens, and likewise Prof. Sackville on the clean sweep made by his steers at the Toronto Royal, as both these men have been at some time members of its editorial staff.

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"We have been using our harness drawing out stumps and have broken four whiffle trees with no strain on the harness. We think they are the best harness anywhere." Jas. Wetherelle, Carlisle, Ont.

"I bought four sets of your No. 31 Harness last Spring and I must say that every set is perfect in every way, shape and form." Martin Nygaard, Bella Coola, B. C.

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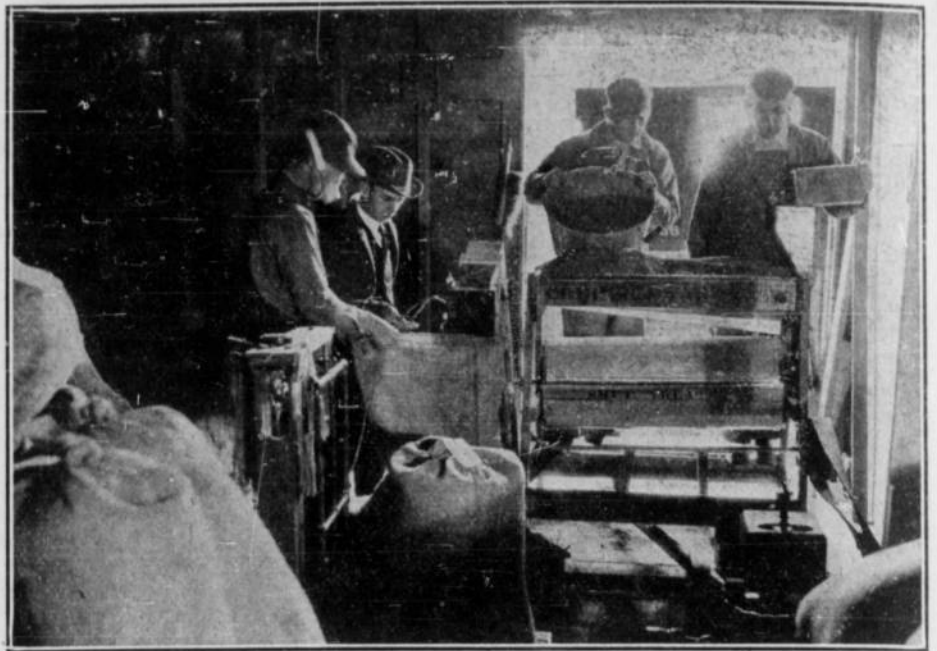
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## Afield with Guide Farmers



The Gas Mask Becomes a Piece of Farm Equipment

In treating grain for smut with the new copper carbonate dust treatment, operators working in enclosed places should use some protection against the dust laden air as it is both unpleasant and poisonous.

### Investigate Smut Preventives

The last report of the Dominion botanist contains a full account of an investigation into the relative merits of smut preventives carried out by I. L. Connor, assisted by officials of the branch experimental farms. On account of the rapid rise to popularity of copper carbonate, Mr. Connor's test was designed primarily to bring out the usefulness of that compound as compared to the standard formalin treatment.

The plan of the experiment was to infest a uniform sample of wheat with rust spores and then distribute to farms at Brandon, Indian Head, Rosthern, Scott and Lacombe. The samples were then treated and sown at varying dates afterwards.

Mr. Connor reports that copper carbonate gives good control of wheat smut under ordinary conditions, but is not effective when the seed is very heavily smutted. On the whole it was not so effective as formalin, but the difference was not great and was fully made up in the greater germinating power of seed treated with copper carbonate, resulting in heavier yield. At Brandon the two formalin plots of Marquis yielded respectively 20.6 and 25.0 bushels per acre. The seed treated with copper carbonate at the rate of two ounces per bushel, from 26.5 to 27.5 bushels per acre. In every case at Brandon the seed treated with copper carbonate yielded more than untreated seed.

For successful results Mr. Connor comes to the conclusion that the seed must be evenly coated with the carbonate dust. He declares an air-tight dusting machine, either purchased or home-made, to be essential. Since the dust is both disagreeable and poisonous, a respirator should be worn. Two ounces per bushel of seed was found to be sufficient, although heavier applications do not lower the germination. For hullless oats, three to four ounces per bushel of seed was found to be necessary.

The test showed that seed could be treated with copper carbonate and left for three months before sowing, and that the result was still satisfactory. One such sample showed a germination of 98 per cent. This one characteristic of the new anti-smut compound is sufficient to explain its popularity, for as it is a dry treatment it may be applied in cold weather some time in advance of seeding.

### Spontaneous Straw Stack Fire

Jas. A. Bedford, Rossendale, Man., writes The Guide about a straw stack fire in his locality, in which all the evidence seems to point to spontaneous combustion as the origin. Threshing on this stack was commenced on October 15, but, as it started to rain on that day, was not completed till October 20. The stack stood unmolested till the day of the fire, November 14. In that interval there were several light rains and snowfalls, and on the day when fire broke out there were three inches of snow on the stack. Five neighbors hurried to the stack as soon as fire broke out, and a sharp look-out was made for footprints, but none were found. The fire started in the centre of the stack. No information is available as to the

character and condition of the straw at the time of threshing.

There is abundant evidence to show that under certain conditions spontaneous fires may be generated in stored forage, although it is rather unusual in crops stacked so long after the commencement of cool weather as in this case. When threshing straw piles in the vicinity of buildings the condition of the straw should be a guiding consideration. The Guide would be pleased to receive any other communications from those who can relate well attested cases of spontaneous combustion around farm buildings.

### Corn for Preparing Wheat Land

I have had a very favorable experience with corn as a substitute for bare fallow and I am coming to The Guide as a means of broadcasting what I have learned. First of all I had a 100-acre patch that had grown two crops of wheat, oats and barley respectively, and should have been fallowed. I raked up and burned the Russian thistle, then plowed it with a five-furrow tractor outfit, taking about ten days. The weather being favorable, I followed up with a horse outfit, packing and harrowing it twice. I find packing a great help when you go to cultivate, as well as holding the moisture in the freshly plowed soil, which dries very quickly if left as plowed during the last two weeks in May or beginning of June.

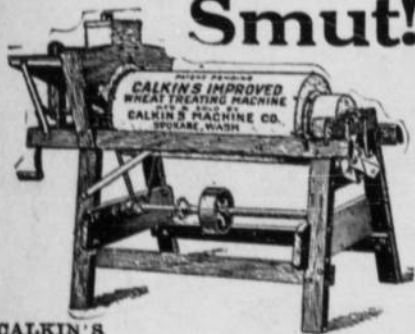
Now, having it plowed, packed and harrowed thoroughly, came the drilling of the corn, which was done crossways of the plowing, making it possible to do a good job harrowing and cultivating. Going crossways of the ridges and furrows levels them down so it is possible to get most of the weeds. This corn was drilled with the ordinary grain drill, six feet apart, after a double harrowing; once just as it was peeping out, about six days after sowing, and then again in about two weeks.

It was ready to cultivate about the first week in July, the work being done with a Climax No. 2 cultivator. I took off the two outside shovels and the centre one, using four horses instead of six, and driving so as the corn row goes through where the centre shovel has been removed, doing one row or two half rows at a sweep. If the drilling has been done properly there will not be any missed in the middle of the rows. The field was cultivated a second time, about the last week in July, and followed with a hand hoe. The weeds were so scarce one man could weed eight to ten acres per day.

Immediately after the wheat and oats were cut we cut the corn. It provided a lot of good feed. There were no cobs, of course. Usually corn can be stacked in small stacks, but the fall of 1925 was a poor fall for curing in this district and it had to be left in the stook all winter and be hauled off on sleighs. The cattle relished it and thrived on it.

Now, what about the wheat crop that followed? With the stooks and the stubble it caught a good lot of snow instead of drifting bare as most fallow does. In fact, I think I got more moisture from the snow than it took to grow the corn the previous summer. After it had dried up

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some in the spring, the land was double disced crossways of the corn rows, which up-rooted most of the corn stubble, and the wheat was drilled after the disc. The stubble was scattered and made a real safe-guard against drifting. The wheat did splendidly. Although it was a hot, dry summer it threshed 20 bushels to the acre of No. 1 Northern, which I special binned and shipped and have just got the returns, No. 1—no dockage, besides having the honor of shipping the only car of No. 1 through that elevator company so far this season. So it can plainly be seen that corn land will produce the wheat.—John Geo. Brewster, Bracken, Sask.

### Cleaning Alfalfa and Clover Seeds

At this season of the year when activities on the land are slack those farmers who are working their way into the production of forage crop seeds are busy on the cleaning and preparation of their seeds for the coming season.

Recent enquiries received indicate that growers of alfalfa seed, red clover and sweet clover seed are anxious to turn out clean seeds which are reasonably free from weed seeds and other less injurious impurities.

It is frequently not at all a simple matter to obtain a clean sample of these small leguminous seeds without wasting a considerable amount of good seed in the cleaning. As will be readily seen the problem of turning out a clean sample depends upon, first: the condition of the seed as it leaves the separator; second, on the efficiency of the fanning mill and the operator.

The producer of seeds of any kind should always be on the alert to take all precautions to have his seed come from separator to fanning mill in as clean a condition as possible, and he should not expect this machine to remedy mistakes which have been previously made either in the field or in threshing the crop.

For example, it is useless to expect any fanning mill to turn out a first class sample of alfalfa, red clover, or sweet clover if certain weed seeds are present; many of the seeds of such common weeds as American dragon-head, lamb's quarters, French weed, are very similar in size and weight to those of sweet clover, red clover and alfalfa, consequently no fanning mill is capable of separating all these weed seeds from the sample.

The easiest, cheapest and most direct way to keep weed seeds out of a crop of seeds is to hand-pull the weeds in the field before they have produced flowers.

In the absence of weed seeds the cleaning of these small leguminous seeds is a comparatively simple matter.

The seeds of any crop will vary slightly in size in different seasons, also in the same season a difference in soil conditions, strain of crop, and management of the crop may cause some variations in the size and plumpness of the seeds.

However, in general, the seeds of alfalfa, red clover, and sweet clover are so nearly alike in size that with slight modifications the same methods of cleaning may be adopted for the three varieties of seed.

### Suitable Sieves to Use

For the first cleaning a top sieve of perforated zinc (holes 1/12 inch in diameter) is usually a suitable size. This sieve will allow the crop seeds to pass through and the larger impurities will be carried over the top of the sieve.

The most suitable screen for the bottom would probably be a wire screen, size 6x24 or a 1/22 inch zinc screen.

The wire screen is suitable for taking



These potatoes were grown last year by Norman Shoemaker, Mazenod, Sask. Six of them weighed an aggregate of nineteen pounds. The largest one weighed five pounds. There's a mark for Ould Ireland to shoot at!

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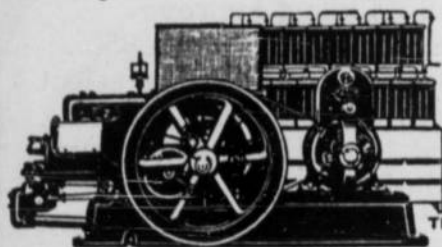
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out flat shrunken seeds and the zinc screen will take out the small sized round seeds, either screen will allow small particles of sand or earthy impurities to pass through.

The good seed will pass over this bottom screen and will come in contact with the air blast which should be regulated so as to take out the light seeds, chaff stems, and other similar impurities without blowing out good seeds.

In dealing with certain samples when seeds are smaller it may be found that a 1/14-inch top sieve should be used and a 6x38 or a 1/25-inch zinc screen in the bottom.

As previously stated the complete separation of certain weed seeds from alfalfa, red clover and sweet clover, cannot be brought about by the fanning mill, yet by judicious management of screens and grading the seed in to several different sizes a great improvement may be effected and a fair percentage of weed seeds removed.

In one season, working on a sample of alfalfa which contained 316 weed seeds per ounce (chiefly American dragon-head), we succeeded in taking out over 82 per cent. of the weed seeds, leaving the sample with about 56 weed seeds per ounce.

### Roguing Quickest in End

This made a decided improvement, but as several cleanings were required to bring this about it took quite a long time to finish the work, and the seeds would have been much more effectively kept out by having the weeds pulled in the field before they had time to form seeds; also in addition to the injury caused by the weed seeds in the alfalfa many dragon-head seeds would be shattered on the field, thus making the crop still more foul with weeds in the following year.

In the production of seeds of any kind and especially seeds of a perennial crop such as alfalfa, the importance of producing a seed crop free from weeds cannot be over emphasized.

In growing such a crop it is advisable to begin first of all with a small plot of one acre on clean land, hand pull all weeds before they have had time to form seeds; increase the area of the seed crop gradually as circumstances permit.

By following this system and using the best strains one may establish a name for the production of pure high grade seed and when this has been accomplished no trouble will be experienced in finding a ready sale for such seed at prices greatly in advance of the best commercial quotations.—Prof. W. Southworth, Manitoba Agricultural College.

### Alberta's Corn Show

The Alberta Corn Show held at Medicine Hat, November 18 and 19, was a decided success in spite of the handicap of an unfavorable harvest season. With twenty-five hundred ears of different hues, showing up against the green of the background, the exhibition was truly a wonderful sight.

The Hon. Geo. Hoadley, minister of agriculture, opened the show at two o'clock on Thursday afternoon. Prefacing the opening, with an appreciation of the show, he went on to say that the fact that such a sample of corn could be grown in what was known as the semi-arid region of the south, was surely a very encouraging feature of the situation. While it was certain from the first that corn alone would never in itself build up prosperity it might well become a great factor in the bringing back of prosperity to the south. It has

become apparent that the wheat miner will never return to a very great extent in the south, and that diversified farming, was in a large way the solution of the south's greatest problem. And live stock is the backbone of mixed farming. And to grow livestock successfully it is necessary that there be sufficient feed. Corn has proven this year that even under the most adverse conditions it will grow a good deal of good fodder.

### Boy's Good Work

From the forage seed car which toured Southern Alberta last winter, under the able supervision of James Murray, of Medicine Hat, a lad of twelve years, Howard Rash, of Purple Springs, brought several pounds of Gehu Yellow Flint. From that small start he grew an exhibit of 10 ears that swept the boards at the show. Entering in the juvenile class he took first. The same exhibit was adjudged to be the best sample in the show. His winnings consist of \$20 in cash and three cups. One of these is his outright this year, while the other two must be won three times before they become final property.

Prize money was pretty well distributed over the corn-growing section of the province. As usual Purple Springs was very much to the fore, but a good deal of the prize money went to Milk River, Lethbridge, Medicine Hat and Orion. Following is a short prize list: In most of the classes there were 12 prizes—100-ear Dent Class: 1, George Worthy, Medicine Hat; 2, D. W. Treece, Purple Springs; 3, Smith Farms, Lethbridge; 4, A. E. Treece, Purple Springs. The first two exhibits were Minnesota No. 13, the last two being North-Western Dent. 100 ears Flint: 1, R. P. Ripley, Atlee; 2, D. W. Treece, Purple Springs; 3, A. E. Treece, Purple Springs; 4, David Hollinger, Redcliff. These prizes were all won with Gehu, except the second which was Dakota White Flint. Other first prizes were won by David Hollinger, Redcliff; Smith Farms, Lethbridge; Geo. Worthy, Medicine Hat; Peter Shaw, Medicine Hat; John Hamilton, Coaldale.

Business firms and private individuals in the province gave the association six cups for competition. Geo. Worthy, of Medicine Hat, won two of these, the Henry Birks & Sons cup, and the Crystal Dairy cup. Eric Holm, of Redcliff, won the Kiwanis cup. Howard Rash, of Purple Springs, won the James Murray cup; the Garbutt business college cup; and the Great West Saddlery cup.

The judging was done by A. J. Ogaard, Montana extension agronomist. While judging from a different standpoint than the judges last year he succeeded in satisfying most of the exhibitors. Instead of judging from show appearance, he judged entirely from the standpoint of fitness for seed, and trueness to type. Kernels mattered a great deal in this method, having to be well formed, fairly deep and of strong constitution.

### Charge for Hauling by Truck

A U.S. Farmers' Bulletin attempts to arrive at the ton-mile cost of hauling farm produce by motor truck by analyzing operation costs of a large number of farm trucks operating in the corn belt. The following estimates taken from this bulletin include all items of cost, taking in interest, depreciation, repairs and upkeep, garage charges, gas and oil, tires, license and driver's wages. It assumes that the truck has an average load two-thirds of the time. Obviously the expense will vary a great deal, depending on the skill of the driver and his effort to keep down unnecessary expenses. Above all, continual employment on paying loads fixes the cost per ton-mile:

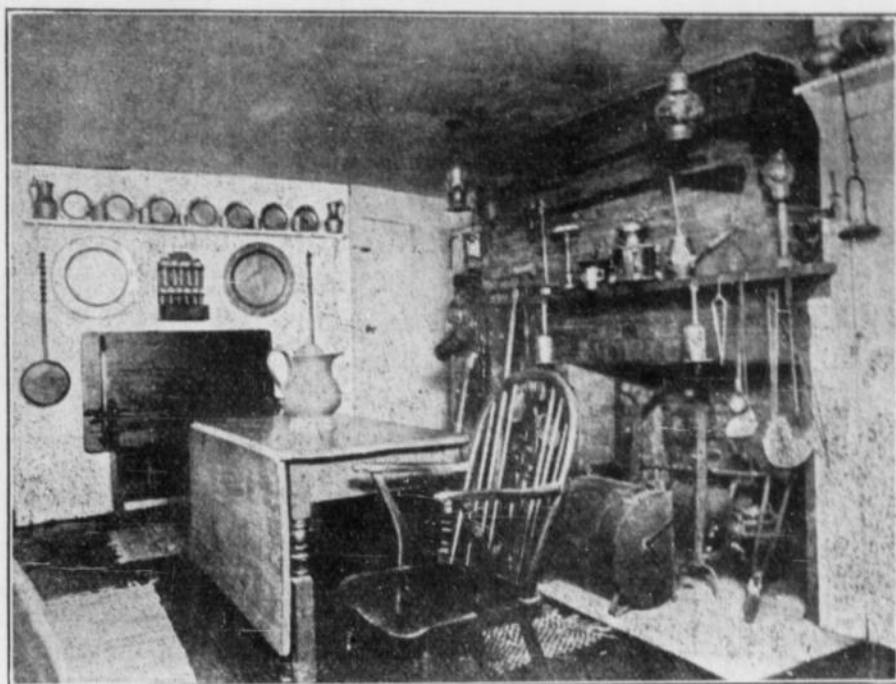
Charges	1/2-ton	1-ton	1 1/2-ton	2-ton
Total fixed charges.....	\$342	\$352	\$421	\$525
Miles travelled per year.....	2,765	1,820	2,111	2,035
Fixed charges per mile.....	\$0.124	\$0.138	\$0.199	\$0.258
Gas and oil per mile.....	.022	.025	.027	.032
Tires per mile.....	.021	.012	.015	.024
Driver's wages per mile at 25 cents per hour.....	.030	.030	.030	.030
Total cost per mile run.....	.197	.205	.271	.344
Total cost per mile haul (running idle one-third of time).....	.204	.306	.404	.514
Average load in tons.....	1.33	1.31	1.74	2.20
Total cost per ton mile.....	\$0.221	\$0.234	\$0.232	\$0.234
Corrected to include liability insurance, and 40 cents instead of 25 cents per ton for driver's wages:				
Cost per ton-mile, including driver.....	\$0.265	\$0.278	\$0.266	\$0.266

This would give an average value of 26.8 cents per ton-mile, including driver's wages; or 22.3 cents per ton-mile exclusive of driver's wages.



# Neighborly Chats

Some reader friends stop awhile to discuss a few topics of interest



The old Colonial kitchen in the home of John Howard Payne, author of *Home Sweet Home*. Everything in it is just as it was when the poet's family used it. The house is located in East Hampton, Long Island, and is now the private property and summer home of a New Yorker. Photo by Keystone View Co.

IN the middle of winter on the prairie I believe everyone suffers from hunger of a sort—not for bread and butter, but for flowers with fragrance. Of course, each family has its house plants, but these are hardly enough to satisfy the craving, the things that seem to provide the right food for the soul are bulbs—not merely a pot for Christmas, but a succession of bloom extending from December to April. Once having feasted yourself upon them during the long winter months you will never care to be without them again.

Some people consider that bulbs are a luxury to be indulged in only when a decent crop comes along, but my contention is that the poorer the harvest the more bulbs are needed to keep up the family's spirits. Other folk put off getting bulbs because they have an idea they are expensive. As a matter of fact they are not, considering the satisfying dividends they pay in flowers, fragrance and greenery. In case your budget doesn't allow anything for bulbs, let me tell you how we raise the money even in a year of total failure. Instead of going in for the usual Christmas fare we content ourselves with simpler food than the traditional rich concoctions. Mince-meat we have, of course, but it's the "mock" variety and not the sort composed of quantities of fruit. Plum puddings we like at yuletide, but they are a dark steamed mixture, much more wholesome than the heavy variety of the past. Christmas cake we pass up any day in favor of the less elaborate kinds of which we can partake of without feeling bilious afterwards. Some people who simply can't afford bulbs wouldn't dream of doing without Christmas cake, but as we have never gone in for such a luxury the family don't miss it, and as a matter of fact feel all the better for having simpler fare. Don't imagine for one moment that we are the killjoy sort that frown in a superior manner upon a real Christmas dinner with its trimmings dear to the hearts of young and old—not at all. We do, however, save a tidy sum on raisins, currants, dates, crystallized fruits, nuts and other things used for making the traditional eatables for yuletide. This money goes towards the purchase of bulbs.

Thus instead of mixing mince-meat, plum puddings and Christmas cake weeks in advance, I celebrate about the same time by planting bulbs—narcissi for Christmas, freesias and crocuses for January, hyacinths for February and tulips for March and April. These lovely blooms perfume the air and their colors of mauve, pink, white, rose and scarlet provide food for the soul during the season when the outside world is blanketed in snow.—Mary H.

## Children's Gifts

Christmas should be, above all, a happy time for the little folks. It sometimes happens that there are not sufficient funds in the family purse to buy the toys and other playthings which would delight the hearts of these wee people. So I am going to offer some directions for home-made Christmas toys, in the hope that they will help someone who wishes to bring happiness to some little child this Christmas season.

A very good chair may be made from an apple box. Knock out one end and

put it in again about the middle of the box, then saw off the sides and stand the box on end. This may be painted or upholstered as you wish or it may have rockers attached. Anyone with a board or two and about eight feet of two by two-inch, can make a table to go with the above chairs.

A box, four pieces from a round pole, a few nails and a bit of paint will make a small wagon that will please a small child. Home-made sleighs will do just as well as store ones. A bit of paint will make a vast difference in a child's appreciation of any home-made article.

A grape or larger basket makes a good doll's cradle. Remove the handle and replace it nearer to one end. Out of a board saw two rockers and attach to the bottom of the basket. Then cover the basket inside and out with any kind of washable material, held in place by a few tacks. Make a little canopy of the material and attach at the top of the handle and with tick, pillow, sheets and a comforter a dandy little cradle is complete. Cradles and beds may also be made of shallow boxes.

A ring toss board may be made of a square bit of lumber with spikes for pegs and different colored sealer rings for rings.

Patterns can be obtained for various animals and dolls and these can be made from scraps of material to be found in any house.

A brown and a black stocking was made into two cuddly dolls that were appreciated here last year. Cut the leg off a bit longer than you wish the doll to be. Split it up for the legs and turn wrong side out and sew the leg seams and the ends of the legs. Turn right side out and stuff to the place where the neck will be. Run a row of stitches around here and pull up as tight as you wish. Now stuff the head and gather tight at the top. Make arms and attach. Embroider features, and dress if you wish.

Knitted or crocheted balls of bright colors amuse baby as will a rattle made from small bells. Take a strip of oilcloth and fold neatly around about six inches of corset steel. Attach the bells to this and nail both ends to a wooden handle and the rattle is complete.

A small tin can with a tight lid if brightly painted will make a rattle. Put a few beans in it and it will amuse baby if he can hold it in his hand.

Books of stories gleaned from papers and magazines are good, as are scrap books of pictures suitable for coloring. This with a box of colors or crayons is good.

Most children like to play with plasticine. A home-made plasticine may be made as follows: Mix one cup of salt with one-half cup of cornstarch, moisten with enough water to make a thin dough, bring to boil. Let cool, work till smooth. Color with dye or with coloring made

from bits of crepe paper. This must be kept air-tight when not in use or it will dry out.

Then there are knitted toques, scarves and mitts, home-made aprons, etc., that are appreciated if one wishes to make gifts of a utilitarian nature. For baby there are bonnets, jackets and booties that may be knitted or crocheted. Bibs and feeders of terry or huck, or more fancy creations of silk and embroidery belong to baby, too. A towel with crocheted or blanket stitched ends in color, with bunny, squirrel, etc., appliqued in the form of a pocket to hold a wash cloth finished in the same color as the towel, is nice.—Margaret Lamb.

## Need to Work Together

When my girlie was still a baby of a few months I did a great deal of thinking about the farm woman's need of help. Many of us have not the house room to accommodate domestic help, even if it were available, and, further, we prefer to have our homes to ourselves. It seemed to me that if I could get rid of the washing, ironing and bread-baking I could in some way manage the rest. The men provide a slaughter-house and arrange for the summer beef-ring. Could not a co-operative laundry be built and equipped and prove to be of more benefit? The individual expense of buying shares, etc., would hardly equal the wages of domestic help. If such a building were provided it could also be used as a canning centre. The cost of kettles, fuel, etc., would, I am sure, be considerably lower than the cost of all the utensils and fuel needed and used in the individual homes. Further, the little neighbor, who has the care of a young baby and whose strength is daily taxed to the uttermost, would be relieved of the work of canning. Her sealers would be filled by the women who had the time and the liberty to attend the canning bee. A year or two later her willing hands would do the same for another neighbor overburdened with the care of sickness in her home. The applied principle of co-operation would, in this way, effect greater benefits than merely financial saving.

The men may be hard to convert to these ideas, but really I doubt if they are as bad as the women. Clearly, women do not know how to take advantage of co-operation. They are, to a great extent, ruled by their own pride: "No one else can make such strawberry jam as I can." "No one can equal my cucumber pickles." "Really I like my own bread the best." "I like my table to be different." These are the private thoughts of many women. The same feeling prevails in regard to the laundry. But really, dear women readers, you trust your children to the public school teacher; why not your clothes to the laundry and your pickles to the canning centre? We need to banish many of the notions that rule us. We need to invest for greater returns. But harder than all, we need to learn to work together for the good of all, which, by the way, is the lesson that men, parties and governments also need to learn.—Mrs. M. P., Sask.

We may build more splendid habitations, Fill our rooms with paintings and with sculptures, But we cannot Buy with gold the old associations! —The Golden Milestone.



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## Household Hints

Some practical pointers from  
Guide readers

To retain the rich color and flavor of the Christmas pudding try the following plan: Mix a small quantity of flour with water to a paste that will roll. Spread this paste over the pudding after it has been set in the basin. Then spread oiled paper and cloth on top of paste. When the pudding is ready to serve remove the paste.—E. A. T.

A good way to use up small balls of wool left over from knitting is to make it into house slippers for the little tots. They make very nice Christmas gifts. Here is the way I make them: First cut out the sole the desired size from a piece of soft leather. Punch holes near the edge of this so that you can sew the knitted part to it. Knit a narrow strip (from 16 to 20 stitches) back and across till you have a strip nearly long enough to go around the sole. Sew one end along a side, forming a point. Put the point for the middle of the toe and stitch the strip around the sole. Finish off the top edge with a simple crotchet edge in a contrasting but harmonizing color. Run an elastic near the top. A flower or other design may be worked on the toe and the inner sole made of soft flannel.—Thrifty, Sask.

To avoid having to patch the knees of boys' overalls I have worked out a scheme that works very well. When their overalls show signs of wear at the knees I cut off both legs of the garment well above the knee line. Then I sew them on again with back of the legs to the front and sew the seam on the machine. I find this easier than patching and it lengthens the service of the overalls. With me laziness was "the mother of invention."—Trapper Jack, Man.

When hanging out clothes on the line in the winter time the large pieces should be thrown one-third over the line and secured with two clothes-pins. The smaller pieces can be hung up by the corner, allowing about two inches to pass over the line and secured by a clothes-pin to another article. In this way they are easily hung out or taken in and can be left on the line over-night without any danger of being blown away after they are frozen.—Mrs. M. S., Alta.

Sleeping suits and combinations have a way of becoming too short for growing children. A simple and effective way of obtaining a longer wearing period for them is to cut the garment across about two inches below the armhole and join a straight strip of any suitable material. Replace the lower portion and the garment will be ready for further wear.—C.T., Man.

Try using a pair of scissors when cutting marshmallows, raisins, dates, etc. By keeping the scissors dipped in cold water the work is done in half the time.—Betty Clay.

A convenient way to clean currants when baking is to put them in a gravy strainer or the potato ricer if you haven't a larger sieve. You may then hold them over the sink and pour boiling water over them.—Mrs. W. G. J., Man.

When windows become loose in their casements and rattle when the wind blows, try putting two thumb tacks on each side. These hold the window firmly in place and allow it to be raised and lowered with ease. Lettie Shannon, Alta.

When Johnnie's shoe lace loses its metal tag it is most annoying. Have you ever tried softening a bit of sealing wax and pressing it firmly on the end of the lace? It serves the purpose of a tag quite well and can easily be renewed if necessary.—Marie Walton, Man.

Methylated spirits rubbed on the feet will relieve that tired, burning feeling. If you are going on a long hike or to a dance, rub your feet with this.—Mrs. J. W. W., Man.

When baby's hands are cold on chilly mornings I put warm water in the hot water bag and let him play with the bag.—Mrs. W. L. D., Sask.

A wide-mouth glass jar makes a fine receptacle for buttons. One can view the contents from the outside and save time searching for some particular kind of button.—Lettie Shannon, Alta.

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# The Countrywoman

## Guests in Our Homes

**W**HAT a joy it is to entertain friends in our homes. Winter is the season when hospitality is at its height in the country, for there is then more time for lingering over meals and a greater inclination for visiting and chatting.

It is perfectly natural that we should take a delight in having our friends dine with us. Eating is a chief and natural concern of life. It is also a pleasure and like other pleasures, that of the table is increased as it is shared. When we invite a guest to our home it is an expression of personal favor and confidence. We become, in a measure, responsible for his temporary comfort and happiness. The food we set before him may be elaborate or simple according as our means permit. But it is not the only or the greatest consideration. We really do more than ask a friend to eat when we invite him to our home. Emerson used to entertain guests of every rank and nation who came to pay him homage. They sat down to the family fare, whatever it was provided for the family. Often it was only a dish of potatoes and a jug of milk. "They do not come to examine our food," he would say, "but our life!"

We share a bit of our life with others when they come as guests into our homes. We should not mar our hospitality with undue worry over or apologies for the food served. If we do so we shall make entertaining a burden and we will do less and less of it. We should endeavor to have congenial friends about us as frequently as possible.

## Woman's Voice Over Radio

A discussion of women's voices over radio has been in progress both in Great Britain and the United States. In the Old Land it was started by a statement made by the British Broadcasting Company through the press, that they did not favor women for radio announcers. They hastened to explain that this was no reflection on woman's intelligence and said: "We have found that women are temperamentally less suitable than men and the heavy physical strain imposed upon the announcer is greater than can be borne by the average woman. Further, there is something incongruous in women announcing weighty news bulletins and long lists of football results."

The December number of the Women's Home Companion comments editorially upon a canvass of 5,000 radio listeners to find out how many preferred men as announcers rather than women. The vote resulted in favor of men by a ratio of 100 to one. The writer comments: "The suggested explanations range from the obvious to the highly ingenious, thus:

1. That men's voices, having a lower key and more volume, reproduce better.
2. That women like to listen to male voices (but men do not like to listen to female voices).
3. That men are better fitted to explain big events such as public meetings, football games, concerts, opera.
4. That women's voices have too much personality and listeners resent a voice that is too intimate on short acquaintance.
5. That women get too enthusiastic and do not maintain proper reserve and objectivity.
6. That women have difficulty in avoiding the patronizing tone.

The writer suggests that: "These sound suspiciously like masculine notions," and asks readers to send forward their own comments.

The objection raised by the British Broadcasting Company that "the physical strain imposed upon the announcer is greater than can be borne by the average woman" is an old type of excuse which is dug out to do duty when women appear to be encroaching on an occupational field which some men would like to reserve for themselves. Broadcasting does not demand as much physical exertion as does the work in the average household.

In view of the fact that the readers of Radio Digest, which has a large circulation in the middle western states and Canada, voted a young woman announcer from

Manitoba to be their most popular announcer for this year, I asked a man who has had considerable to do with radio announcing his opinion regarding these statements. Summed up it was to this effect: Women are as a rule rather self-conscious as radio announcers and are apt to assume a condescending, school-teacher tone of voice, which, of course, is directly contrary to the statement that a woman's voice is "too intimate." They are, perhaps, a little too much afraid of what other women will think of how they speak and what they say. A pleasing voice depends upon its register and the owner's ability to use it well. For this reason a low-pitched woman's voice is just as pleasing and carries just as well as a man's voice. High pitched voices,

at Christmas-time; hence its name holly, or holly, bush.

The mistletoe, growing so strangely out of the oak or apple tree, was regarded as sacred, and possessed of often dangerous magical powers, by many nations of the ancient world. It was sown by the darting flash of the lightning, they said, and still held some of the awful powers of the flaming sword of the heavens! At the same time it had wonderful virtue in healing diseases, especially if cut, or administered, on January 1.

The old Druids always cut it with many ceremonies on their New Year's Day, which seems to have been near ours. Then in ancient Persia and old Rome the plant was used in magic rites, as we know from Virgil; for when Aeneas wished to visit Hades and talk with the spirit of his father, he takes a branch of mistletoe, and so is able to enter the Place of Departed Spirits, and return to earth again.

But in Europe of the Middle Ages, and much later, mistletoe was simply a cure of, or preventer of, sickness. The farmer in France or Scotland would cut his mistletoe on the morning of January 1 and then give the white berries to his beasts "to cause them to be fruitful and to escape poison." In parts of Wales the belief is still held that a

charm can be made of mistletoe wood that will protect the infant wearing it from convulsions. In countries as far removed in time and geography as ancient Rome and modern Sweden, mistletoe twigs are believed by some to cure epilepsy, and be an antidote to poison. Then any wife wishing for children could always have as many as she desired, by eating the white berries and wearing the twigs.

But to secure the virtues of mistletoe, it had to be cut with a knife of gold or bronze, on the morning of the day six days after the winter solstice, which would make it very near our New Year's Day.

Longfellow describes the medieval opinion of mistletoe very well in his poem—"Tegner's Drapa," where he calls the mistletoe both "sacred" and "accursed"; for the men who cut the mistletoe on January 1 as a medicine for their animals, or households, would never have allowed it in a church; and among all the ballads and carols for Yuletide (Christmas, New Year and Twelfth Night, January 6) there is not a line in praise of mistletoe. —E. A. Taylor.

## GOOD SPEECH

Archibald Lampman

*Think not, because thine inmost heart means well,  
Thou hast the freedom of rude speech; sweet words  
Are like the voices of returning birds  
Filling the soul with summer, or a bell  
That calls the weary and the sick to prayer.  
Even as thy thought, so let thy speech be fair.*

both for singing or speaking, do not go over radio well. This explains the general unpopularity of sopranos for radio singing. The objection to radio soprano singing should not be carried over into an unfair prejudice against women being employed as announcers whenever they are properly fitted and trained for that work.

## Mistletoe Myths

Mistletoe is not mentioned among the Christmas greens in the ballads and folklore of the Middle Ages, in Britain or France. A carol of 1695 says:

"With holly and ivy, so green and so gay,  
We deck up our houses as fresh as the day;  
With bays and rosemary, and laurel complete."

Of these, ivy was not allowed to be used in decorating churches then, as it had been consecrated to Bacchus, god of drunkenness, according to the early Church; but another carol says, with grim humor, that though ivy might be shut out of the Church, it was very welcome in the hall—another way of saying there was heavy enough drinking there. Mistletoe is barely mentioned. As associated with magic and Druids, it was also prohibited from being used in church decoration; it may have been used in houses, though certainly there was no kissing under it, till comparatively modern times; the northern myth of Balder and the mistletoe being unknown in olden Britain and France. "Holly-bussing" (kissing) was the old custom; the holly being the recognized symbol of the Truce of God, always kept in these wild old days



Christmas Morning

## Butter Must Look Good—Be Appetizing

"Dandelion Butter Color" gives Winter Butter that Golden June Shade

Just add one-half tea-spoonful to each gallon of cream before churning and out of our churn comes butter of Golden June shade. "Dandelion Butter Color" is purely vegetable, harmless, and meets all food laws. Used for years by all large creameries. Doesn't color butter-milk. Absolutely tasteless. Large bottles cost only 35 cents at drug or grocery stores. Write for FREE SAMPLE BOTTLE. Wells & Richardson Co., Ltd., Windsor Ont.



## Fresh Pacific Ocean FISH

Direct from Vancouver to You

Absolutely finest quality fish obtainable, neatly packed in ice. Prices to you are lowest possible—no middleman's profit. This firm's old establishment guarantees satisfaction on every order it handles.

### SALMON - SOLES - COD HERRING - SMELTS

100-lb. Assorted Boxes	\$17.75
50-lb. Assorted Boxes	9.49
35-lb. Assorted Boxes	6.85

### SMOKED FISH

Finnan Haddies, Kippers, Smoked Salmon, Bloaters, Alaska Black Cod.	
50-lb. Assorted Boxes	\$10.25
20-lb. Assorted Boxes	4.35

### PREPAID EXPRESS DELIVERY To Your Nearest Station

No further charges. Assorted boxes guaranteed to contain at least four of above varieties. Remember this is the largest mail order fish firm in Western Canada. Send remittance with order.

## LONDON FISH CO.

Limited Est. over 10 years  
GORE AVE. VANCOUVER, B.C.

190 Prizes worth \$7,130 will be awarded to the winners in our third Figure Puzzle contest. Start today. Complete details on pages 20-21.

## "I LOVE TO WEAR THIS DRESS"

"It fits me perfectly and my friends all say it's the prettiest dress I ever had. It looks like an expensive store model. You'd never think I'd made it myself for only \$7.45. It's really easy to make smart, becoming clothes when you understand the professional way of sewing."

No matter where you live, you, too, can learn at home to make all your clothes at one-half the usual cost.

The Woman's Institute will teach you how to put style into every garment. Write for Free Booklet Mail coupon for Free Booklet, which tells what the Woman's Institute has done for 230,000 other women and girls and how it can help you to have more and prettier clothes for just the cost of materials and earn \$20 to \$40 a week at home.



WOMAN'S INSTITUTE (Canada) Limited  
Dept. C-114 389 Mountain Street  
Montreal, Canada

Without cost or obligation, please send me one of your booklets and tell me how I can learn at home the subject before which I have marked an X:

- ☐ Home Dressmaking
- ☐ Professional Dressmaking
- ☐ Millinery
- ☐ Cooking

Name \_\_\_\_\_  
(Please specify whether Mrs. or Miss)

Address \_\_\_\_\_

## Books Children Should Read

The Federal Bureau of Education at Washington went to the trouble of compiling a list of books for children that combine recreative reading with intellectual stimulus.

The list is published comprised the following: Little Women, by Louisa M. Alcott; Robinson Crusoe, by Daniel Defoe; Tanglewood Tales, by Nathaniel Hawthorne; Uncle Remus, by Joel Chandler Harris; Anderson's Fairy Tales; The Jungle Book, by Rudyard Kipling; Alice in Wonderland, by Lewis Carroll; Treasure Island, by Robert Louis Stevenson; Just So Stories, by Rudyard Kipling; Heidi, by Johana Spyri; Arabian Nights; The Adventures of Odysseus, by Padriac Colum; The Oregon Trail, by Francis Parkman; Hans Brinker, by Mary Mapes Dodge; Tom Sawyer, by Mark Twain; Swiss Family Robinson, by Johana David Wyss; Merry Adventures of Robin Hood, by Howard Pyle; Captains Courageous, by Rudyard Kipling; Boys' King Arthur, by Sir T. Mallory; Ivanhoe, by Sir Walter Scott; Aesop's Fables; Water Babies, by Charles Kingsley; The Child's Garden of Verse, by Robert Louis Stevenson; Master Skylark, by John Bennett; Little Men, by Louisa M. Alcott; The Little Lame Prince, by Dinah Craik Muloch; Gulliver's Travels, by Jonathan Swift; Boys' Life of Abraham Lincoln, by Helen Nicolay; The Story of a Bad Boy, by Thomas Bailey Aldrich; Huckleberry Finn, by Mark Twain; The Prince and the Pauper, by Mark Twain; Grimm's Fairy Tales; Joan of Arc, by L. M. Boutet de Moulvel; Rebecca of Sunnybrook Farm, by Kate Douglas Wiggin.



THE day you send your solution may be the big day of your life!

Which Car Will You Drive?



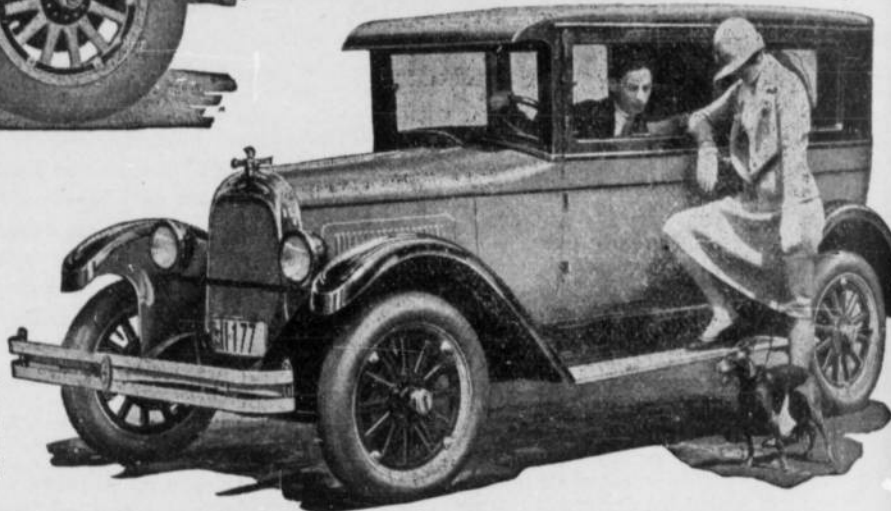
First Grand Award  
\$2,400

\$1,650 Studebaker Six and \$750 "Extra Cash." We selected this car from among nineteen Studebaker models. It combines airiness with closed car protection. New roller side enclosures at a touch of the hand provide closed car comfort in thirty seconds. Some of its features are automatic spark control, steering gear lock, genuine leather upholstery, improved emergency brake and safety light control, combination stop and tail light, improved tire carrier, oil drain valve, oil filter and waterproof ignition.

Not Luck! Not Chance! Everyone has an equal opportunity

Second Grand Award  
\$1,370

Overland "Whippet" Coach which retails at \$1,040 f.o.b. Winnipeg, or you can choose the \$1,070 Chevrolet Sedan illustrated below. See prize list for details.



SPECIAL PRIZE OFFER (3)

for first nearest correct solutions

CLOSES DECEMBER

190 FREE PRIZES

Take part in this G  
15th Annual Prize  
Distribution

Readers will readily appreciate that this is not the usual first prize, a second prize and possibly a half dozen "Honorary" prizes. Such a contest only a few can win. Our 15th Feature contest plan. Instead of the limited possibilities of winning, we

## This Contest Guarantees 190 Prizes Worth \$7,130

### FIRST PRIZE—Total value \$2,400

\$1,650 Studebaker Six Cylinder Duplex Phaeton, plus \$750 cash extra at the rate of \$50 for every dollar sent in up to \$5.00, and \$100 cash extra for every dollar sent in from \$6.00 to \$10. Not more than \$10 in subscriptions can be applied on one answer. A contestant must send in not less than \$5.00 worth of subscriptions to qualify for this prize.

### FIRST PRIZE—(If the contestant does not qualify as above) total value \$1,440.

Choice of an Essex valued at \$1,190 or Pontiac Coach valued at \$1,240, plus \$200 cash extra, at the rate of \$50 for every dollar sent in up to \$4.00. If a contestant sends in more than \$4.00 he qualifies for the Studebaker car.

### THIRD PRIZE—Total value \$700

\$500 cash, plus \$20 cash extra, at the rate of \$20 for every dollar sent in up to \$10.

### FOURTH PRIZE—Total value \$450

\$300 cash, plus fifteen times the amount sent in up to \$10.

### FIFTH PRIZE—Total value \$300.

\$200 cash, plus ten times the amount sent in up to \$10.

### SIXTH PRIZE—Total value \$150

\$100 cash, plus five times the amount sent in up to \$10.

### SEVENTH PRIZE—Total value \$100

\$80 cash, plus two times the amount sent in up to \$10.

### EIGHTH, NINTH AND TENTH PRIZES

—\$50 each

### THIRTY PRIZES—Cash \$20 each.

### THIRTY PRIZES—Cash \$10 each.

### THIRTY PRIZES—Cash \$5.00 each.

### SECOND PRIZE—Total value \$1,370

Choice of Chevrolet Sedan worth \$1,070, or Overland "Whippet" Coach worth \$1,040, plus \$300 cash extra, at the rate of \$30 for every dollar sent in up to \$10. To qualify, a contestant must send in not less than \$5.00 worth of subscriptions.

### SECOND PRIZE—(If the contestant does not qualify as above) total value \$1,055

Choice of a Star car worth \$905 or a "Whippet" Touring Car worth \$935 and \$120 cash extra, at the rate of \$30 for every dollar sent in up to \$4.00. If a contestant sends in more than \$4.00 and wins the second prize, he qualifies for the \$1,370 prize.

### 30 Special Prizes, \$150

Thirty "Special" prizes will be awarded to ten contestants in each of the provinces of Manitoba, Saskatchewan and Alberta, who send in the first correct or nearest correct answers on or before December 31, 1926, as follows:

	Manitoba	Saskatchewan	Alberta
First Prize	\$20.00	\$20.00	\$20.00
Second Prize	10.00	10.00	10.00
Third Prize	5.00	5.00	5.00
Fourth Prize	3.00	3.00	3.00
Six Prizes each	2.00	2.00	2.00
	\$50.00	\$50.00	\$50.00

The winning of a special prize does not interfere in any way with your winning one of the other prizes. As the correct answer will not be announced until after the contest closes, special prizes will be awarded at the same time as all other prizes.

This is an additional set of "Special Prizes". Solutions received during November cannot compete for this money. This new offer of 30 "Special Prizes" for the December solutions, with the set of "Special Prizes" offered in November makes a total of 60 "Special Prizes" offered since the Contest began.



Get Into This Fascinating, Instructive Competition

## Use this Coupon When Sending in Your Answer

THE GRAIN GROWERS' GUIDE,  
WINNIPEG, MANITOBA.

My answer to the problem is \_\_\_\_\_ cattle on the range, and if this is the winning answer, send the prize to me to the following address.

NAME \_\_\_\_\_ P.O. \_\_\_\_\_ PROV. \_\_\_\_\_

New or renewal subscriptions as follows:

Name	Address	New or Renewal	Amount
Name _____	Address _____		\$ _____
Name _____	Address _____		\$ _____
Name _____	Address _____		\$ _____
Name _____	Address _____		\$ _____
Name _____	Address _____		\$ _____

Contestants who have previously sent in an answer or remittance to this puzzle, please fill in these blanks.

Answer sent in \_\_\_\_\_ Date \_\_\_\_\_ Amount \$ \_\_\_\_\_

IMPORTANT—Answer all questions carefully.

Address correspondence to: The Contest Department, care of

The Grain Growers' Guide, Winnipeg, Manitoba

NOTE—If your subscription was sent in by another contestant you must put his or her name and address below:

NAME \_\_\_\_\_ P.O. \_\_\_\_\_ PROV. \_\_\_\_\_

### Alternative Award

See Prize List—Alternative First Prize

### ESSEX COACH

Retails at \$1,190 f.o.b. Winnipeg. All steel, clear-vision body. Built by Hudson organization. Anyone would be proud to own this car.

### Or Pontiac Coach

Pontiac Six Cylinder Coach, \$1,240 f.o.b. Winnipeg. Built by the General Motors Corporation. Excellent performance and engineering design.

## A Few Simple Rules Read Them

- Contest is open to everyone in Manitoba, except (a) Employees, their immediate families, and (b) those connected with The Grain Growers' Guide; (c) cities with a population of over 2,500, not owners of the Guide; (d) winners in the 1924-25 and 1925-26 contests.
- Additional puzzle charts may be obtained from the Contest Department, The Grain Growers' Guide, Winnipeg.
- Every figure in the picture is complete—no part in doubt about any of the figures, send in a card to the Contest Department, who will gladly tell you.
- Put your answer on the coupon and send it in as an entrance fee to the contest. \$1.00 covers you for the year; \$2.00 gives you a seven-year subscription. No subscription for persons in the Prairie Provinces, or for more than \$3.00 accepted as new subscriptions.
- Send full amount of subscription DIRECT to the Grain Growers' Guide. Because of the large number of contestants, no premium nor deduction a commission.
- Contest closes January 31, but special prizes solution senders. See "Special Prizes."
- Everyone has an equal chance. The winning prize will be sent in. Note however, Grand Prizes increase with each dollar sent in.
- Submit as many answers as you like, provided they are accompanied by a subscription, but if one of your answers is correct, your other answers will not increase the prize.
- If your subscription is sent in by some other person, send in an answer without further payment. Name of such contestant and the amount you paid for the subscription must be stated.
- Remit by Postal Note, Bank, Postal or Express, payable to The Grain Growers' Guide.
- Only one person in any household can win a prize. A solution can be changed after it is sent in.
- In case of a tie for any prize, a second prize will be as practicable and as solvable as the first. For a prize will be permitted to solve Puzzle No. 1. persons are tied for a prize, that prize and as many other prizes as there are persons tied will be reserved for them and awarded for less correct solutions.
- The Contest Department of The Grain Growers' Guide has the right to alter the rules and regulations for the prize. The Guide; to refund subscriptions and disqualify contestants who consider undesirable, and to finally decide any dispute. Competitors are assured of the same fair treatment that has marked Guide contests in the past.



# ur Solution In Right Away

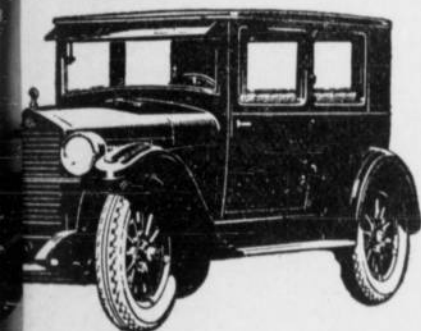
\$1.00 covers both the entrance fee and a three-year subscription to The Guide.

Prizes totalling \$150.00)  
 ived during December  
**ER 31st**

**TOTAL \$7,130<sup>00</sup>**  
**VALUE \$7,130<sup>00</sup>**

of cash prize distribution in which a  
 Mentions" divide the prize money. In  
 has been arranged on a quite different  
 ough prizes so that each contestant, work-  
 or the success of our 15th feature com-  
 on may participate. There are enough  
 s for all successful participants. You  
 e one of them.

VIOUS GRAIN GROWERS' GUIDE CON-  
 S have been very popular and entirely satis-  
 y to all the contestants. The judging is done  
 en of unquestioned integrity. Hon. John  
 en, Premier of Manitoba and Hon. T. A. Crerar,  
 dent of the United Grain Growers Ltd., have  
 erased one or more figures from the puzzle.  
 the contest closes Mr. Bracken and Mr. Crerar  
 make known these numbers and not until then  
 anyone possibly know the correct answer to the  
 . The judges are Mr. J. H. Evans, Deputy  
 ter of Agriculture for Manitoba; R. S. Law,  
 ary, United Grain Growers Limited; and K.  
 an, Managing Director of John Scott & Com-  
 Chartered Accountants. **EVERY CONTEST-**  
**IS ASSURED OF FAIR AND IMPARTIAL**  
**TMENT.**



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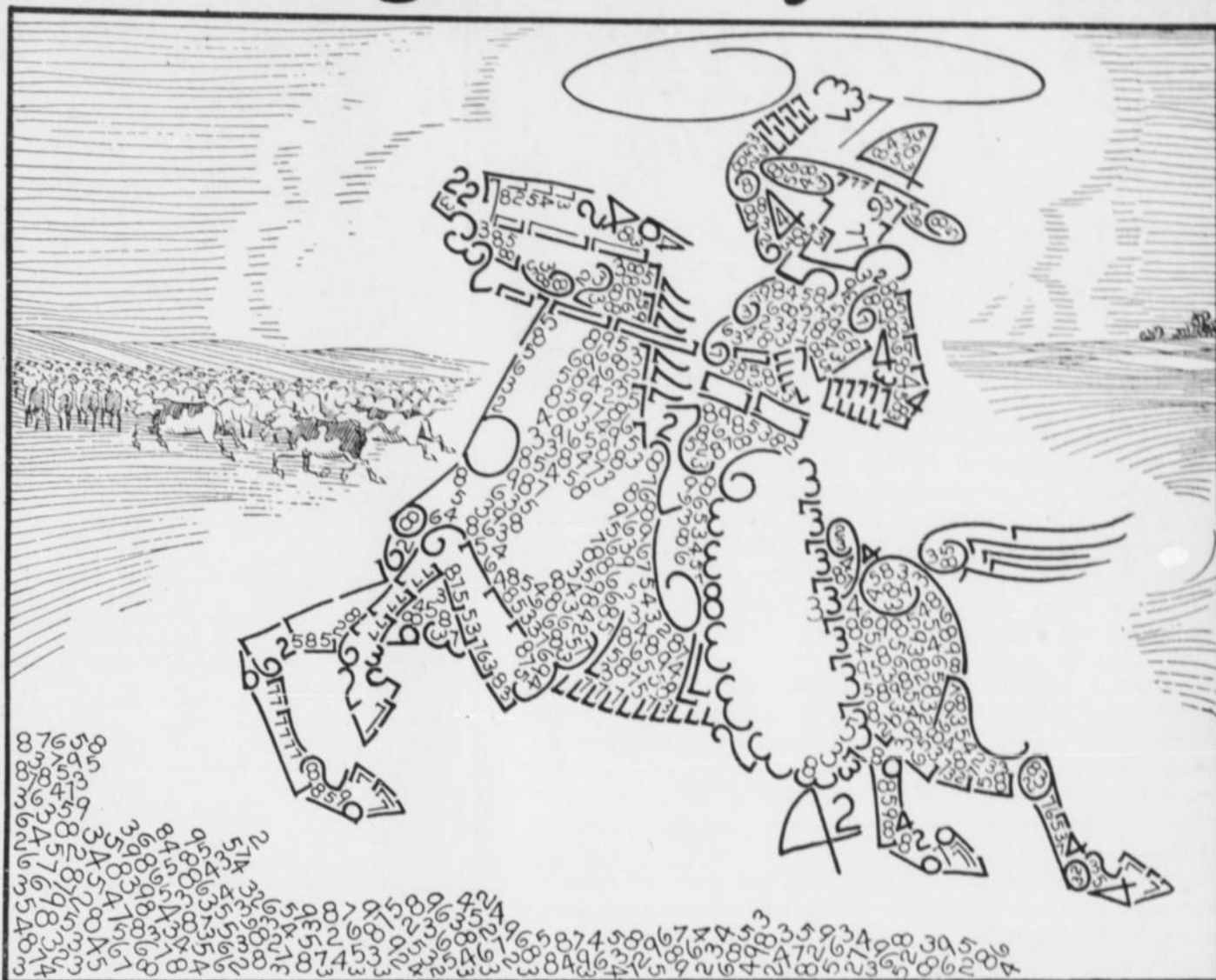
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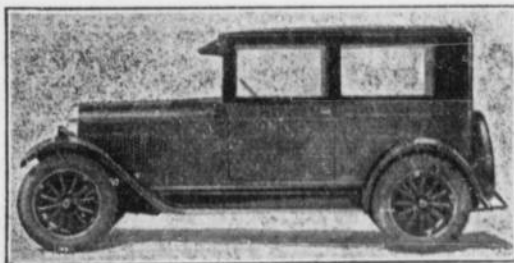
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## How To Obtain The Answer--Read This NOW!

Add together all the figures in the picture thus:  $6+2+9+7=24$ . The sum total of all the figures is the answer to the problem. Every figure is complete--no tricks; no illusions. No figures hidden in the background or the cattle. There are no ones (1) and no ciphers (0) in the picture. The tops of the nines are closed and the bottoms straight. The sixes have a curved top and the bottom is not closed.



**Chevrolet  
Sedan**

Retails at \$1,070 f.o.b. Winnipeg.  
 See Prize List governing the  
 winning of \$300 extra cash.

## Some Suggestions That Will Help You Win

Method will help you solve the puzzle, so  
 work with a method.

Suggestion 1--Blot out each figure in the  
 puzzle as you write it down on a sheet of  
 paper. Keep a column for the 2's, another  
 for the 3's and so on.

Suggestion 2--Count all the 2's, all the  
 3's and so on.

Suggestion 3--Take combinations of  
 figures that make 10 and mark down in 10's  
 on a sheet of paper. Ten's are easy to add.

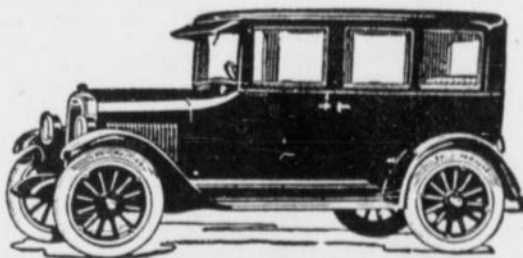
Suggestion 4--Cut or mark puzzle into  
 smaller pieces and work each piece separate-  
 ly, being sure not to lose any.

### PLENTY OF ROOM

There is plenty of room for more entrants  
 in The Guide big Figure Puzzle Contest.  
 Your chance of winning the **FIRST GRAND**  
**AWARD** is just as good now as it would  
 have been had you entered the day the con-  
 test started. There are no handicaps--  
 everyone has the same chance. You can't  
 win if you don't try.

## Send For Extra Charts

Solving the puzzle is a valuable  
 education for children. Send for  
 extra charts and put every mem-  
 ber of the family to work. This  
 is a good method if you want to  
 win out. Extra charts permit you  
 to check your solution. Send for  
 them tonight.



**Overland  
"Whippet"**

Second Prize car \$935  
 f.o.b. Winnipeg. This  
 new light weight car  
 embodies many improve-  
 ments.

## No Freight to Pay

No matter which car  
 you win, you will not  
 have any freight to pay.  
 The car will be delivered  
 free of charge to your  
 nearest station or town.

## Important Questions Asked

This contest is limited to people living in the rural districts with the object  
 of giving everyone an equal opportunity. The person living outside the prairie  
 provinces cannot take part. Prize winners in our previous contests are not  
 eligible. We have also ruled out professional men and people living in the  
 larger cities. This contest was arranged for our farmer readers--every one  
 of whom has an equal chance.

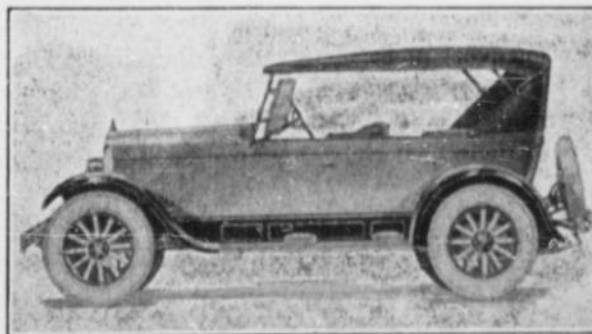
Here are one or two questions which we receive quite frequently. Read  
 them all, since one may help to explain another.

- Q. Do I have to guess at the figures taken out by the judges and add them  
 to the answer?
- A. No. The sum of all the figures which are plainly visible on the chart  
 is the correct answer.
- Q. If I send in my answer with a remittance now and later on send in  
 more money on the same answer, will it be credited to my account?
- A. Yes, providing you state on your coupon the amount and date (as nearly  
 as possible) of your previous remittance.
- Q. In case of a tie, does the person sending in the largest amount of  
 money in subscriptions have the best chance of winning a prize?
- A. No. If there is a tie for any prize a second puzzle will be submitted  
 which will decide the issue. While the value of the first prizes de-  
 pends on the amount sent in you have the same chance of winning a  
 prize by sending in \$1.00 as the person sending in a larger amount.
- Q. It states that I can win First prize with a \$1.00 subscription, what  
 does this mean?
- A. This means that should the person sending in only \$1.00 win the First  
 prize, he would be entitled to a choice of the Essex or Pontiac coaches and  
 \$50.00 extra cash, but the more money  
 sent in the greater is the value of the  
 prize. If the contestant sends in \$5.00  
 in subscriptions he qualifies for the  
 Studebaker car. Similarly with the  
 second prize. If the winner has sent  
 in less than \$5.00 in subscriptions he  
 would be entitled to one of the touring  
 cars but if the winner has sent in  
 more than \$5.00 in subscriptions he  
 would be entitled to either the Chevrol-  
 et Sedan or the Whippet coach. Read  
 over the prize list once more.



## "The Star"

See Prize List for  
 conditions governing  
 winning of this \$905  
 touring car, equipped  
 with wings and  
 bumper.



**You Can Win One Of These Superb Cars**





## Co-operation to Improve Production

THE Province of Saskatchewan is famous the world over for the leadership it has shown in the co-operative movement and the success of its co-operative undertakings. For many years the Saskatchewan Co-operative Elevator Company was the largest co-operative grain marketing concern in the world, and recently the company was absorbed by a still greater and more powerful organization, the Saskatchewan Wheat Pool. It is not so many years since the Department of Agriculture operated a number of co-operative creameries, conducted co-operative wool sales and live and dressed poultry sales, but with the advent of the Saskatchewan Co-operative Creameries, the Co-operative Wool Growers' Association, the Saskatchewan Poultry and Egg Pool, and the Saskatchewan Livestock Pool, the Department's active participation in marketing the actual products ceased.

There is, however, another side to co-operation which is of equal importance to the marketing problems, and this is the question of quality production, and co-operation in improving production will help as much as co-operation in reforming marketing conditions. The improvement of methods of production with consequent improvement in quality of product is the main purpose for which the Agricultural Societies of the Province are organized. These societies link town and country together, form a most effective medium for carrying the work of the University of Saskatchewan to the man on the land, and provide a medium for the pooling of ideas for the betterment of farming. The Agricultural Societies supplement admirably the work of farmers' organizations which have as their main object the development of co-operative marketing. The Annual Convention of the Saskatchewan Agricultural Societies will be held at the University of Saskatchewan, January 12, 13 and 14, and every society should be represented at these annual gatherings, where the work of the previous year is reviewed and plans made for the ensuing season.

Organized to serve all the farmers of the province, the activities of the Saskatchewan Department of Agriculture have been divided among seven branches, each in charge of a trained specialist. The *Field Crops Branch* is devoted to the improvement of our field crops, the duties of this branch including the control of noxious weeds and insect pests. The *Livestock Branch* assists the livestock industry of the province, encourages the use of pure-bred sires, the elimination of scrub animals, and distributes at cost pure-bred sires and good grade cows to the farmers of the province. The *Dairy Branch* is devoted to the upbuilding of dairying in Saskatchewan. The *Co-operation and Markets Branch* collects and distributes information dealing with co-operation, supervises the Agricultural Co-operative Associations in the province and is ready at any time to give any assistance possible to the co-operative movement in Saskatchewan. The *Game Branch*, with the co-operation of public-spirited citizens, endeavors to preserve the wild life, which is such a valuable asset to the province. The *Debt Adjustment Bureau* acts as an intermediary between farmers who are in financial difficulties and their creditors. The *Statistics Branch* collects and distributes information covering every phase of agricultural production. The services of all these branches are placed freely at the disposal of the farmers of Saskatchewan, who are invited to bring their problems to their own Department.

Saskatchewan Department of Agriculture

HON. C. M. HAMILTON  
Minister

F. HEDLEY AULD  
Deputy Minister

## U.G.G. Retains Elevators

Continued from Page 3

of the company on Wednesday, the delegates on Thursday morning settled down to considering the big question in which all were vitally interested, namely, as to whether or not they would sell out their country and terminal elevators to the three provincial pools. Quite a number of resolutions from the company's locals had been received dealing with this matter, some 17 resolutions advocating that the elevators be sold to the pools and 15 resolutions that no such sale should be made, while other resolutions were in favor of continued co-operation with the pools. There had been a meeting of the directors of the three provincial wheat pools in Winnipeg the previous week, and after he arrived in Calgary, Mr. Crerar had received a letter from the secretary of this meeting stating that the three pools were prepared to open negotiations with the company for the purchase of its grain-handling facilities and this letter was read to the delegates.

### Directors Recommend Policy

Mr. Crerar stated that the board of directors had devoted a great deal of time to the consideration of the situation that had developed and had decided to recommend a course of action which he felt was in the best interests of the shareholders of the company generally as well as of the pool. This proposal on the part of the board of directors had been put into the form of a resolution and appeared in the report of the resolutions committee as follows:

"Whereas, it is desirable that the friendly relations and co-operation that have existed between the United Grain Growers Limited and the pools should continue; and,

"Whereas, the pools have signified their desire to acquire additional grain handling facilities; and,

"Whereas, a decision to wind up the company at this time would be premature.

"Therefore be it resolved that the board of directors be authorized to lease or sell such of the company's elevators as may be necessary to avoid undesirable duplication of country elevators between the company and the three provincial pools.

"And further, that the board of directors be instructed to meet the desires of the pools in regard to acquiring grain handling facilities as far as can be done without sacrificing the assets or interests of the shareholders."

In support of this resolution the board had prepared a memorandum containing facts which the delegates would need to consider in arriving at a decision on the matter before the meeting. The memorandum pointed out that during the past grain-marketing season there were 361,000,000 bushels of wheat delivered at country points, of which the three pools handled 187,000,000 bushels, leaving 174,000,000 bushels to be marketed outside the pools. There were approximately 107,500,000 bushels of coarse grains inspected during the past grain-marketing year, of which the pools handled 25,000,000 bushels, leaving 82,500,000 bushels to be marketed outside the pools.

### Pools Handle Half Wheat

The total pool handling of wheat was 52 per cent. of the amount marketed in the three provinces, while the pool handling of coarse grains was but 23 per cent. of the total volume of coarse grains marketed. In Manitoba and Saskatchewan, which were the only two provinces in which coarse grain pools were operated, the handling of the pools was 28 per cent. of the total coarse grains marketed.

In Manitoba the marketing of coarse grains is a much more important item to farmers than in either of the other provinces. In Saskatchewan the total wheat marketed was about five and a half times as much as the total coarse grains, while in Manitoba, on the other hand, the coarse grains marketed was one and two-fifths times as much as the total wheat marketed. More coarse grains were marketed in Manitoba than in either of the other provinces.

The figures show that in the three provinces there were 256,500,000 bushels of all grains marketed outside the pools and that 52 per cent. of the grain handled by the U.G.G. during the past year was non-pool grain. The board felt that it was of decided advantage to farmers in marketing of this grain to have the services of the U.G.G. rather than to have

it entirely left to the line elevator and commission companies.

The directors' memorandum also pointed out the great service rendered to farmers by the U.G.G. through the farm supplies department which handled flour, coal, barbed wire, woven wire, fence posts, binder twine, etc. Flour was sold at 249 points, coal at 429 points and the company had averaged selling 82,000 tons of coal per year as well as 21,500 spools of wire and 9,000,000 pounds of binder twine. These heavy sales had been of great advantage to farmers in influencing a downward tendency in prices on these commodities. The Securities Company, the Public Press and The Grain Growers' Guide were also rendering valuable and important service to the farmers throughout the country.

### Non-Pool Grain Majority

Some of those advocating the sale of the company's elevators to the pools did so believing that the bulk of the company's business was in the handling of pool grain as was the case with the Saskatchewan Co-operative Elevator Company. This, however, was not the case. The company last year handled 43,000,000 bushels of all grains, of which approximately 20,000,000 bushels were pool grains and 23,000,000 bushels non-pool grain. The division by provinces was as follows:

	Pool	Non-pool
Manitoba.....	5,239,000	8,907,000
Saskatchewan....	3,862,000	3,311,000
Alberta.....	11,038,000	10,657,000
	20,139,000	22,875,000

Out of the 378 points at which the U.G.G. operated elevators last year, 187 handled more pool than non-pool grain, while 191 elevators handled more non-pool grain than pool grain. At a great many shipping stations three or more elevators are absolutely necessary to take care of the grain marketed. Undoubtedly at these larger shipping points the farmers would be better served by having a pool elevator and a U.G.G. elevator also rather than by having only a pool elevator and several line elevators.

### U.G.G. Protection Necessary

The company had given practical assistance and co-operation to the pools during their organization period and this had been the policy of the company from the very beginning. The board felt, however, that the interests of the farmers who last year marketed over 256,000,000 bushels of grain outside the pool should not be ignored. They should have the utmost freedom to join or not to join the pool and they should have the protection against the line companies that only a farmer-owned company could give them. The policy suggested in the directors' resolution would in no way hinder the pools from extending their own elevator systems by lease, purchase or building. They would in this way also avoid capital expenditure at many points where the pool acreage was not sufficient to warrant the purchase of the U.G.G. elevators. Considering all the factors in the situation, the board did not believe that the best interests of the farmers of Western Canada would be served in wiping the U.G.G. out of existence, although it was undoubtedly true that the line elevator companies would welcome such an action.

### Debate Sale Question

Following the presentation of the directors' resolution and statement, the delegates decided that they would first prefer to consider the resolution recommending the sale of the company's elevators to the pools, which read as follows:

"Be it resolved, that we recommend that the United Grain Growers Limited, at their annual meeting to be held in Calgary, on December 1, 2 and 3, 1926, shall endorse the principle of selling United Grain Growers' grain handling facilities to the provincial wheat pools, and instruct the board of directors to continue negotiations with the pools, and also to lay the question before the shareholders in accordance with the requirements of our charter and by-laws, so that the transfer be effected in time to handle the 1927 crop."

This was the resolution upon which the delegates debated all day on Thursday. It was one of the finest debates that ever took place in a farmers' convention, or, in fact, in any other convention in Western Canada. Some delegates at the outset suggested that there should be a five-minute or seven-minute time limit on speeches, but this was voted down and there were no restrictions placed upon speakers. Yet despite this every person



taking part in the debate kept well to the subject and held the attention of the meeting. The speakers represented pretty well every district from all over the three provinces, and although the meeting urged the directors to take part in the debate, only two of them spoke, preferring to leave the decision entirely in the hands of the delegates.

Each speaker seemed to have considered the question pretty carefully and some of them had been instructed by their locals as to which way to vote. Their arguments were presented in a clear and logical manner without heat and there was the best of good feeling maintained throughout the day. Every possible phase of the question of selling out to the pools was laid before the meeting by different speakers. The arguments that seemed to weigh heaviest were that the company was needed to give service to the large number of farmers who had marketed more than one-half the entire volume of grain outside of the pool; that the pools while having made progress were naturally still in the experimental stage and would be until they had passed the second sign-up period; that the pools were in no way handicapped by not owning the company's elevators because they had the same control of their grain as if they owned the houses; that it was the course of wisdom to travel slowly and safely and not to take a step which might be regretted but which could never be recovered. When the vote was taken towards six o'clock at night it was found that about four-fifths of the delegates were opposed to the resolution and consequently were not in favor of selling out to the pools. An amendment to the resolution which suggested that all the elevators be leased to the pools received even less support.

#### Directors Given Full Authority

On Friday morning the resolution recommended by the directors was the first order of business. A request was made by some delegates that the meeting go on to consider resolution No. 3, which was one expressing opposition to the sale of any of the company's elevators. The president, Mr. Crerar, who spoke for the first time during the elevator discussion, expressed the belief that this resolution should not carry because it would not be in the interest of all concerned if the directors were put in a position where they could not co-operate with the pools by leasing or selling to them some of the

company's elevators. This resolution was accordingly tabled.

The directors' resolution, which is reproduced above in this report, was then considered, and with very little discussion was endorsed practically unanimously by the delegates. It was explained by the president in answer to questions that at some of the points where the company owned elevators where the pool had a very large sign-up and where there was not enough business for two farmer-owned elevators, it would be of advantage to sell or lease such elevators to the pools. All of these matters would be taken into careful consideration by the board of directors and the interests of the shareholders would be regarded in the working out of the policy recommended by the board.

A number of other resolutions dealing with different phases of leasing, selling, etc., were promptly voted down or laid on the table at the conclusion of the main debate. The meeting by resolution expressed its appreciation of the fair and liberal treatment given to farmers by the patronage dividend of one cent per bushel paid on street grain.

The much vexed question of the moisture content in wheat came up for discussion through a resolution presented by one of the locals, and J. R. Murray, assistant general manager of the company, in reply to questions, explained that while the present official moisture content was 14.4 there might be years with a small quantity of tough and damp wheat when it would be safe to raise the moisture content to 15 per cent., but that in such a year as the present, with such a large amount of out-of-condition grain, it would not be safe to raise the percentage without endangering the condition of grain in storage. A resolution, therefore, was passed asking that the moisture content be increased to 15 per cent. on the understanding that the general condition of the crop in any one year would have to be taken into consideration.

At the conclusion of the business of the convention on Friday afternoon a most unanimous and enthusiastic vote of thanks and confidence was given to the officials and board of directors of the company. Next year in accordance with the by-laws of the company the annual meeting will be held in Winnipeg. Since the amalgamation in 1917 it has been the policy to alternate the annual meetings between Calgary and Winnipeg.

## News from the Organizations

### Council Meets United Farmers

A committee appointed by the Canadian Council of Agriculture visited Saskatoon on December 7 to confer with the committee of trustees of the United Farmers of Canada, Saskatchewan section, for the purpose of discussing the desirability of Saskatchewan continuing to be represented in a national co-ordinating body.

The conference was made necessary by the fact that the Saskatchewan Grain Growers' Association, one of the original members of the Canadian Council of Agriculture, will pass out of existence when the amalgamation with the Farmers' Union under the name of the United Farmers of Canada, Saskatchewan section, becomes effective, thus leaving the Saskatchewan organization without representation in the national body.

A very free and friendly discussion took place, in which the position of both organizations was made clear. Everyone present was agreed that it was desirable that there should be a national body through which the farmers' organizations in the different provinces could speak with a united voice on the many important national problems with which they are confronted.

The conference did not attempt to reach a definite solution of the problem, it being felt that the matter should be fully discussed at the forthcoming annual conventions of the bodies represented at the conference.

Those present were: Representing the Canadian Council of Agriculture, J. J. Morrison, secretary of the U.F.O.; A. J. M. Poole, president of the U.F.M.; H. E. G. H. Scholefield, vice-president of the U.F.A.; and J. W. Ward, secretary, C.C.A. Representing the United Farmers of Canada, Saskatchewan section: G. F. Edwards, Geo. Langley, Mrs. Hollis, Mrs. McNeal and A. Baynton, of the S.G.G.A.; J. A. Stoneman, Mrs. Selby,

N. J. L. Bergen, W. M. Thresher and J. W. Robson, of the Farmers' Union of Canada.

### The United Farmers of Manitoba

The educational campaign of the United Farmers of Manitoba has been interfered with to some extent by severe weather, but the series of meetings are now being brought to a close. Some of the district conventions also had to be postponed on account of blizzards. This week the district conventions for Neepawa, Macdonald and Dauphin will be held. At the Dauphin convention Premier Bracken will be the principal speaker. Late in November a splendid meeting was held in Swan River, where the U.F.M. and Agricultural Society put on a joint banquet. Premier Bracken, Lieutenant-Governor Burrows and Prof. Grant, of the Manitoba Agricultural College, were the principal speakers.

Good reports have been received from the speakers who addressed the meetings during the educational campaign held throughout the province. A number of new locals have been formed and several others re-organized. Among the new locals are those at Horton and Long River in the Souris district, and Cook's Creek in the Hazelridge district. Re-organization has taken place at Springhill, Norgate, Laurier, Cromwell, Ladywood and Thalberg.

Contributions to the Roderick McKenzie Memorial Fund, which was launched last March, now total \$550. There has been no direct appeal made since March. Plans to make an appeal this fall were delayed, but locals are being advised that a drive will be launched in January in an endeavor to reach the objective of \$5,000. The object of the fund will be to provide a scholarship in the Department of Agricultural Economics at the Manitoba Agricultural College.

# -WINTER- VACATIONS

1926



1927

## Eastern Canada Excursions

Tickets on sale Daily from December 1 to  
January 5

from all stations in Manitoba (Winnipeg and West)  
Saskatchewan and Alberta

**Return Limit Three Months**

## Pacific Coast Vancouver - Victoria New Westminster EXCURSION TICKETS ON SALE

December 1, 2, 7, 9, 14, 16, 21, 27, 28, 1926  
January 4, 6, 11, 13, 18, 20, 25, 1927  
February 1 and 8, 1927

from all stations in Ontario (Port Arthur and West),  
Manitoba, Saskatchewan and Alberta

**Return limit April 15, 1927**

## Central United States EXCURSION TICKETS ON SALE

from all stations in  
Saskatchewan and Alberta  
December 1 to January 5

to certain points in the Central States

**RETURN LIMIT THREE MONTHS**

## OLD COUNTRY EXCURSION TICKETS TO THE ATLANTIC SEABOARD (SAINT JOHN HALIFAX PORTLAND) SPECIAL TRAINS — THROUGH CARS FOR CHRISTMAS SAILINGS

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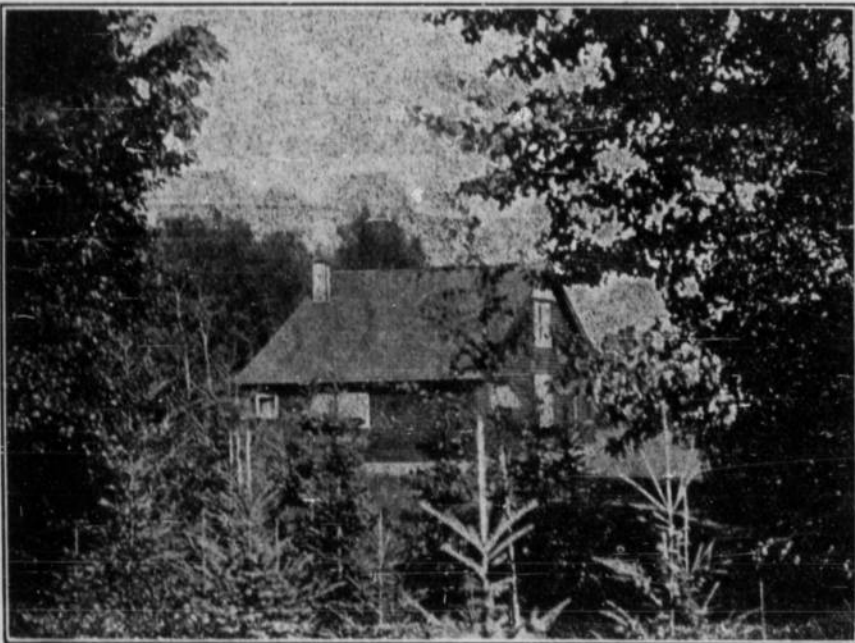
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## Saskatchewan Livestock Pool

Considering adverse weather conditions, the organization campaign of the Saskatchewan Livestock Pool is going forward most satisfactorily. New locals are under organization at Preeceville, Maple Creek and Kelliher. The local centreing on Stoughton now leads in membership with a total of 147.

The organization work is being entirely devoted to building up the membership of those locals under organization. Beginning with this week, meetings are being held to elect officers of these locals at points where there is no shipping association in existence. These meetings will continue at other points until all these locals have their own organization.

## Macleod to Direct Publicity

W. A. Macleod, who, since 1919, has been in charge of publicity work for the Saskatchewan government, is resigning



W. A. Macleod

the first of the year to take up the duties of director of publicity for the Central Selling Agency of the Pools. Before becoming connected with the government at Regina, Mr. Macleod had extensive newspaper experience in Eastern and Western Canada and also in the United States. In 1906 he filed on a homestead in the

Kerrobert district and spent three years 120 miles from a railroad. He then re-entered newspaper work and in succeeding years was connected with several publications in Saskatoon. While in Regina, Mr. Macleod was prominently identified with a number of organizations in the city.

## United Farmers of Canada

Weather conditions during the past two months have had a disastrous effect on the campaign of the United Farmers of Canada in Saskatchewan. The impassable roads, owing to the heavy and continuous rains in the early part of the campaign, together with the necessity for farmers to get their threshing completed as nearly as possible during the intermittent spells of fine weather, caused the meetings arranged in several of the districts in the south to be postponed for two or three weeks, and when the meetings were finally arranged the speakers were faced in very many cases by blizzards and snowdrifts, which prevented their reaching the meeting places, and in others prevented the farmers getting there. At the same time, where meetings had been held and canvassers appointed to follow up the work of the speakers and organizers, the weather prevented the canvassers from getting to work, and all this, of course, has militated against the immediate success of the campaign.

Notwithstanding these conditions, however, the campaign has met with a considerable amount of success, and up to and including December 3 more than 11,500 members had been enrolled, of which over 2,300, or more than 20 per cent., were women.

During the campaign approximately 800 meetings have been held over the entire province, or an average of about 50 in each of the 16 wheat pool districts, and these are being followed by additional meetings as they can conveniently be arranged, in parts of the province it was not possible to cover in the first instance or where meetings failed to materialize owing to the conditions mentioned above.

The second phase of the work, of course, lies with the canvassers, who, it is hoped, will get into personal touch with every farmer in their respective districts, with a view to inducing them to join the new organization.

In the meantime, the board of trustees, which is the temporary executive body of the organization, is circularizing the secretaries of all Grain Growers' locals and Farmers' Union lodges urging them to see that an intensive canvass is conducted in the districts in which they are located, and also to take steps for the organizing of those who have already joined the new body, or who will do so

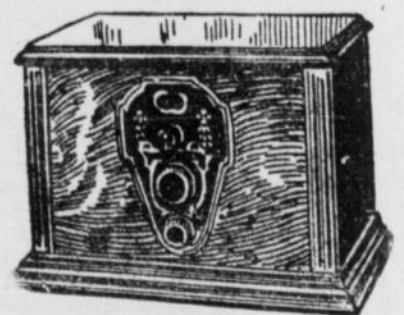
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# -- R-a-d-i-o --

Edited by D. R. P. COATS  
Director CKY

## House Moving at CKY

**T**HE transmitting plant of "Manitoba's Own Station" has recently been transferred from its original location in the city of Winnipeg to one of the wide open spaces at the Agricultural College.

As was expected, the Telephone System which operates the station has received a considerable number of letters from radio fans far and near, commenting on the effects of the change as they find them. Almost daily, my desk is piled with two stacks of mail. That on my left is from listeners who complain they cannot hear us as well as they used. It includes a batch of letters from crystal set owners residing in Winnipeg and particularly from those who live within a few blocks of CKY's old home.

On my right is a heap which has come in from people who think the new location a great improvement. Many letters in this pile are from crystal set owners who claim they hear us better than they ever did or who admit they notice no marked diminution of signal strength. On one hand are complaints of poor reception in parts of Manitoba. On the other, are reports of "tremendous volume" in some remote spot in Texas, Quebec or the state of Washington.

I am told that reception is good on one side of a Manitoba town, while CKY is mostly inaudible across the street or on the opposite side of the river. Mr. Toyer, at Pinawa, makes a hobby of building crystal sets and donating them to shut-ins. Each one of these sets is tested on CKY signals at Pinawa, 65 miles from Winnipeg, and then sent in to certain members of "Toe H," who undertake to place them in Winnipeg hospitals or private homes. Frequently, the set refuses to operate at seven miles as well as it did at 65. Usually in such cases there are understood reasons, but as these would not be of much interest to the majority of Guide readers, situated as I suppose them to be, beyond the normal range of crystal sets, I will not go into detail. There are enough indications in our mail bag, however, to show that radio performs some queer antics as it journeys into space.

### Why Stations Leave Home

From a broadcasting standpoint there are two kinds of towns—the town which, having no radio station, is very desirous of acquiring one and the town which, having a station, is equally anxious to get rid of it. A year or more ago, our local newspapers published complaints from listeners that CKY was preventing reception from distant cities where the programs were of superior quality. We received petitions from people who told us we were all right in our way, but would we kindly move out and let them get the "real" concerts from Chicago and elsewhere. Some folks even suggested raising subscriptions to pay our moving expenses, if we would only go. We were like a barrel-organ man offered pennies to play on the next street and we coined the phrase "No broadcaster is without honor, save only in his own city."

Its truth was not fully appreciated, however, until we made a trip to Montreal and back via Chicago. In both these centres we found plenty of evidence that local stations are popular only with crystal set listeners who, poor martyrs, cannot hear anything else and, as a five-tube Montrealer expressed it, "don't know any better." Chicago people beg their own stations to shut up and let them hear Regina or Saskatoon, meanwhile folks in both these prairie cities want to hear Chicago!

What can be done about it? Well, the only thing to do is to place broadcasting stations on the outskirts of cities or in the country, so that they will spoil long distance reception for the smallest possible number of people. It is true, of course, that many modern receiving sets can tune out local stations very easily, but such sets are not yet in the majority nor do they always fall into



Al Kilgour—Ace of the Air  
Singer of popular ballads at CKCK, CKY, and other western stations.

the hands of people who know how to operate them to best advantage.

Removing stations from thickly populated centres (where they would never have been built, could the future have been foreseen) gives city owners of average tube sets as well as owners of better sets a chance to hear distant stations when the local program doesn't suit their taste.

### Effect on Crystal Sets

When a station has been located in a city for a period of time, it becomes a source of entertainment for a vast number of crystal set fans. In earlier days of radio, when crystal sets were used in wireless telegraph receivers, the comparatively few folks who used them had to understand their theory and operation. Otherwise, they enjoyed no success in hearing signals. Broadcasting put crystal sets into the hands of thousands of people who cannot tell you how it works if you ask them, and who think there is more than a musical association between the "cat-whisker" and cat-gut. Because of their close proximity to a station the crudest outfits produced results, just as the poorest shotgun in the hands of the worst marksman may be capable of hitting a barn door at ten yards.

The normal range of a well designed crystal set, properly installed and in the hands of someone who will devote a little attention to its operation, is generally conceded to be 25 miles. That is to say, it will work if placed within that distance of a 500-watt broadcasting station. Frequently the distance is considerably exceeded. Usually, it is safe to say that the set which will not receive over that range is of poor design, is not properly installed or its owner does not understand its operating principles. This, unfortunately, is true in many cases in Winnipeg. As a result, the removal of CKY to a distance of about seven miles has put a number of crystal sets out of business.

The worst sufferers are those who live within a few blocks of the old location, the explanation being that these people enjoyed such easy reception that they never had to bother about aerials, good ground connections or the various details which the more distant crystal set fan had to consider. It is interesting to note that while some owners of these defective installations are writing complaints to the newspapers, others have used their time to better advantage in studying the causes of their troubles and have succeeded in bringing in the music with much of its old-time volume.

### Correspondence

W. J. M., Winnipeg: It is useless to expect a crystal set to work at its best if you use the electric lighting fixture for an aerial and a bed-spring for a ground. If it worked at all before the station was moved, you were lucky. The test of the set's efficiency came when the move was made. People in more remote quarters of the city never enjoyed the advantage that was yours. Several thousand listeners throughout Manitoba will benefit by the improved

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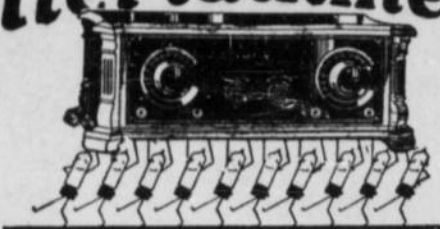
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Amplion Reproducers \$12 to \$53



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171 Cordova West, Vancouver, B.C.

#### SEVEN BRAND NEW 1927 MODEL CARS FREE

Seven cars are listed among the Grand Prizes offered in our third, biggest and best Figure Puzzle Contest. Read how to win one on pages 20-21. There are no tricks—everyone has an equal opportunity. Fourteen former Guide competitions have been conducted to the satisfaction of all contestants. 871 prize winners won \$38,806. 190 Prizes with a total value of \$7,130 are offered in the present contest. Read the details NOW.

#### Train for Business in Winnipeg, where Positions are Plentiful

The Success is a strong, reliable school. More than 26,000 Men and Women have taken Success Courses since 1909. New students may enroll at any time. Write for Free Prospectus.

**SUCCESS**  
**BUSINESS COLLEGE**  
WINNIPEG LIMITED MAN.

service which can be given from the new site. The move is only the first step in a plan for better broadcasting in this province. Improvements may not be noticeable at first. It takes some time to move a station and get it working again at maximum efficiency, especially when only a few days can be allowed for interruption of a busy schedule. Nevertheless, you should have no difficulty in operating your crystal set. Others are doing it regularly, including some who still use indoor aerials.

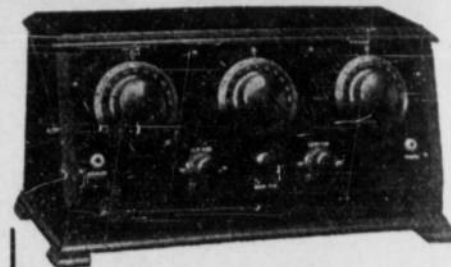
H. M., Portage la Prairie: Yes, modulation is "wooly." This is due to trouble in the cable between the studio and station. The matter is receiving attention and improvements will most likely be noticed by the time this is in print. Further changes will be made in the near future and should result in increased volume as well as better modulation.

The whistling noise you hear is probably due to heterodyning by stations in the United States. Owing to some legal tangle, American stations are at present able to change their wavelengths without asking anybody's permission. The result is a chaotic condition which, unfortunately, affects Canadian stations. Waves are overlapping, whistles are making it impossible to hear some of the best programs and distortion is the rule rather than the exception. At least three stations are interfering with CKY at the present time. All we can do is sit tight, set an example by obeying our good Canadian laws and hope for the controlling legislation which Congress will undoubtedly soon pass.

W. H., Calgary: The continental code may be more readily mastered by arranging it as you suggest, E, I, S, H, A, W, J, U, V, R, L, P, F, in one column, and T, M, O, N, D, B, G, Z, K, C, Y, X, Q, in the opposite column. The student memorizes the letters in short groups, thus: "EISH," "AWJ," "TMO" and "NDB," etc. Actually, however, memorizing the code is the easiest part. The greater difficulty comes in learning to associate each signal instantly with its equivalent letter of the alphabet. Receiving speed can be increased without the student's hearing signals. When I was attending a telegraph school, I used to make a 40-minute train journey to and fro each day. Much of this time I spent in reading advertising signs, translating them mentally into code, thinking to myself "De-de-dah-de-de-dah-de-dah-de-dah-de-de-de," and so on. (The name of a famous cocoa). In studying thus in public, one has to be careful to avoid giving utterance to the sounds one is thinking, or one's sanity may be questioned.

"Curious," Saskatoon: Rates charged by stations for broadcasting concert programs vary all the way from \$20 an hour to \$500 or more. A high class band concert from a well known Canadian station costs the promoters \$170 for a one-hour program. Of this amount, \$125 goes to the band, \$20 to assisting artists and \$25 to the broadcasting station. Yes, contributors to advertising programs are mostly paid, and rightly so.

"Nighthawk," Winnipeg: You are mistaken regarding the "suppression" of two Winnipeg stations. They closed down voluntarily and by mutual agreement with the Telephone System. There are two 100-watt stations, one at The Pas and the other at Flin Flon mine. These are licensed for point-to-point communication only. More information on short wave work will appear in an early issue of The Guide. Owing to the necessity of sleeping once in a while, I have had to neglect my little transmitter lately but hope to be back at it soon. Code lessons will be resumed at CKY at some time in the future. They are not intended as full instruction courses, but rather as introductory lessons to encourage more people to learn the code. Thanks for good wishes. Glad you like "Copperfield." Am commencing a series of readings from contemporary literature, particularly Canadian books, in a few weeks. These will be given weekly, at the commencement of one of the evening programs.



### SUPER FIVE RADIO SET

COAST TO COAST RANGE

Here is a 5-tube set that reaches the apex in radio for distance and selectivity. We challenge anyone anywhere to find a receiver, regardless of price, that will give you better service, more satisfaction than the Melody Super Five.

Order at once if you want a set for Christmas. If you wish the set to come by Express, add \$4.00 to delivered price. Price, set without accessories, \$49 f.o.b. Toronto. Price complete with all accessories, 5-201A Tubes, Standard Loud Speaker or Cone Speaker (please state which you want), 6-volt wet A Battery, 2-45 volt B Batteries, and complete antenna equipment, \$79.75 f.o.b. Toronto.

Freight paid to any station in Manitoba.

Manitoba	\$84.00	Alberta	\$87.00
Saskatchewan	\$85.50	B.C.	\$88.50

Returnable within 30 days if set not satisfactory.

The WEBBER MACHINE CO.  
848 DUPONT STREET, TORONTO, ONT.

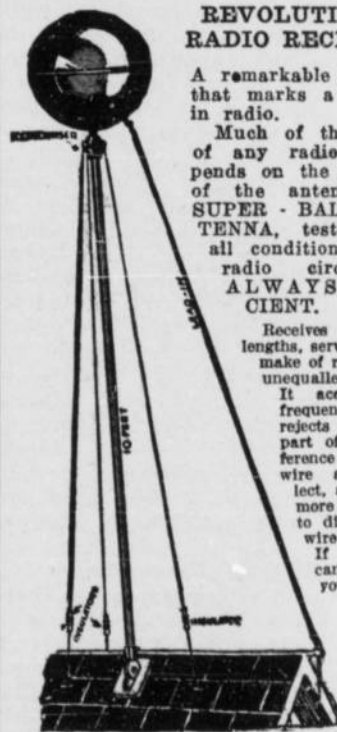
### Super-Ball ANTENNA

REVOLUTIONIZES  
RADIO RECEPTION

A remarkable invention that marks a new era in radio.

Much of the success of any radio set depends on the efficiency of the antenna. The SUPER-BALL ANTENNA, tested under all conditions, on all radio circuits, is ALWAYS EFFICIENT.

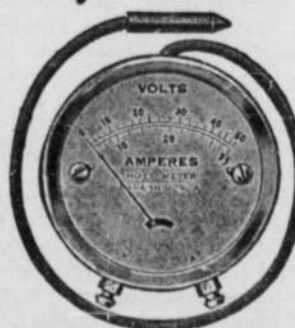
Receives all wave lengths, serves with any make of receiver, gets unequalled results. It accepts radio frequency signals, rejects a large part of the interference which long wire aerials collect, and is much more responsive to distance than wire aerials. If your dealer cannot supply you write



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SONS LTD.  
Regina, Sask.  
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### Hoyt Radio Meters



Type 31—  
0-35 Amps,  
0-50 Volts,  
for sets  
with dry  
"A" and  
"B" Bat-  
teries.  
Price, \$4.20

Type 11,  
single range,  
0-50 Volts,  
\$3.15.

A necessity  
with every  
set.

Test Your "A" and "B" Batteries  
If you have trouble getting results from your set a HOYT METER will tell you quickly if your batteries are at fault.

Guaranteed accurate and sold by Radio  
Dealers and Jobbers everywhere.

**BURD RING SALES CO. LTD.**  
322 McIntyre Building, Winnipeg, Man.

See pages 20-21 for the big  
announcement of the \$7,130.00  
puzzle contest



## Book Reviews

*That place that does contain  
My books, the best companions, is to me  
A glorious court, where hourly I converse  
With the old sages and philosophers;  
And sometimes, for variety, I confer  
With kings and emperors and weigh their counsels.*

—Fletcher.

MANY westerners never heard of Peter McArthur and his short articles on farm life in the Toronto Globe newspaper, until these were published in book form and came our way. For some years I had heard a friend remark that *The Red Cow* was a most charming book. Then last winter I said, "Lend me this book that I may read it." My family and I did indeed find it delightful, in fact I read it out loud to the children when flu held one in bed, with the result that every youngster demanded *The Red Cow* when his turn came for flu, and more than one midnight saw us chuckling over Dolly's Day Off or Fenceviewer 2nd.

Since then we have held our hands open for more of Peter McArthur, and *In Pastures Green* and *The Affable Stranger* have been enjoyed. And now from the press of the Musson Book Co. comes another volume to delight us, called *Around Home*. I believe I like this one even more than the others. Whether I have now absorbed enough of his thoughts to appreciate the fine flavor of his mind or why this is so I cannot say, but this volume seems doubly delightful.

It is, like the previous volumes, a collection of articles containing thoughts about the farm life he was living, with sage philosophy, humor and poetry interwoven with delightful charm. This author had the power of standing back and viewing his life with a detachment that added a railleury to every commonplace incident. He spreads for us a rosy glow over the most humdrum occasions and makes them times for laughter; he dips his finger into the roots of all things growing and shows the real union between poetry and things as they are; he teaches us that life is a thing of wonder, a thing to joy in, this world a friendly old place.

But most of all, he seems to show us the reality of man's kinship with all things growing, and see behind the veil of things that the world values, the great forces working like roots in the soil, for better things to come.

Most of his writings concern the amusing doings of his farm animals, the temper of Katie, the sheep; the curiosity of Socrates, the ram; or the pranks of Bildad, the pup; or doings of the rest of them, and we are charmed by the hilarity of his descriptions so often interspersed with poetry and withal so true to fact.

Much more might be said of this writer, but if you love country things you will enjoy *Around Home*, not once, but many times, as you read it, and you will sorrow that such a genial personality walks no more among the things and men he loved so much.—E. J.

### Stead's New Book

*Grain*, by Robert J. C. Stead, which has just been published by McClelland and Stewart, is a novel that far surpasses any previous story from the pen of this well-known author. The scene is laid somewhere in Manitoba and the story turns about the family of Jackson Stake, a familiar type of Ontario pioneer settler. The main character is Jackson's second son, who is given the nickname of Gander by his fellows. Seldom has there been met in the pages of a book a more human youth than this country lad, who works out his destiny against a waving background of two-dollar wheat. Mr. Stead knows the prairie country from a long and intimate acquaintance. His characters are real people such as you and I may have met in many farming communities in the Canadian West. There have been plenty of more romantic figures in so-called western stories, but Gander Stake makes a strong appeal to those who are familiar with the type of country boy who has little use for "book learning," but who knows and loves his job of farming. His is a story which runs concurrently with those now in their early thirties.

There is a love story. The boy and girl attachment formed, in a game of "prisoners" Base on the playground of a one-roomed rural school, between Gander

and little Josephine Burge develops into a stirring love story full of dramatic incidents. The comradeship between the silent, undemonstrative, somewhat stern Jackson and his son is well told. In his portrayal of human relationships and his descriptive bits of farm life, Mr. Stead has reflected the spirit as well as the picture of farming. The war clouds gather in 1914. The apparently quiet surroundings of rural western life are shown to hold the tensest emotional situations and to be dramatically alive with all the human possibilities of intrigue, adventure and character development.

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### More Western Stories

The Graphic Publishing Company has recently published a number of books for the Christmas trade. This is a new publishing house which specializes in straight Canadian work. Their books are written for Canadians and intended primarily for Canadian readers. *Plain Folks*, by Francis Cecil Whitehouse, is a book published by this firm. The author has spent more than 30 years in banking service and knows the people of the prairie through the eyes of a banker in a small western town. His *Plain Folks* depicts the daily life of a small town, which in the story is called Gopherburg, Saskatchewan. The story revolves around three principal characters: Jimmy Long, the banker; Rev. Philimore Dobson, the new rector; and Tommy Smith, the Mountie. It is what its title would have us understand, just a story of every-day life.

*New Furrows*, by Flos Jewel Williams, published by the Graphic Publishers, deals with the life of a Belgian immigrant family who emigrated to Alberta. The scene is laid in that province, partly on the prairie and partly in the city of Calgary. The struggles the family have in making the homestead into a farm, their tragedy when they are haled out; their trials during the winter months; Marie, the young heroine, and her love affair, with all its misunderstandings; her unfortunate marriage; the birth and death of her child, and the final straightening out of all the tangles forms the plot of this novel, which is likely to be well received by Canadian readers. Mrs. Williams is a Torontonian. She received her education in the collegiate and Normal school of her home city. After her marriage she came west with her husband to live in Calgary.

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### Lyrics of Earth

Canadians are becoming better acquainted with their own poets and as that acquaintance grows there grows with it a deeper appreciation and love of poetry. The Musson Book Company have recently published *Lyrics of Earth*, a volume which contains the best of Archibald Lampman's sonnets and ballads.

It is fitting that there should be a rather lengthy introduction telling the readers something of the man himself, his background of home and school training, his friends, his aspirations and his success as viewed by competent critics. Duncan Campbell Scott has written that introduction in an interesting and sympathetic manner.

Lampman had very high poetic ideals and made exacting demands upon himself to realize them. The pageant of the seasons, the stars in their courses, the birds in their haunts, the flowers in the garden and wood—he brooded upon them all and interpreted nature in its relation to life. He desired to transfigure life and to strengthen and glorify the universal yearning for order and beauty and peace. His hope was a high one, but the task was accomplished.

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### New Books for Children

Two all-Canadian productions for children are from the press of the Musson Book Company. They are: *Bob and Bill See Canada*, by Alfred E. Uren, and *Little Big Ears and the Princess*, by Carol Cassidy Cole. *Bob and Bill See Canada* is an illustrated travel book written in

## The Farmer's Business

NO matter in what part of Canada you live, you are not far from a Branch of the Bank of Montreal. A farmer's business is benefited by a sound banking connection just as is the business of a merchant or manufacturer.

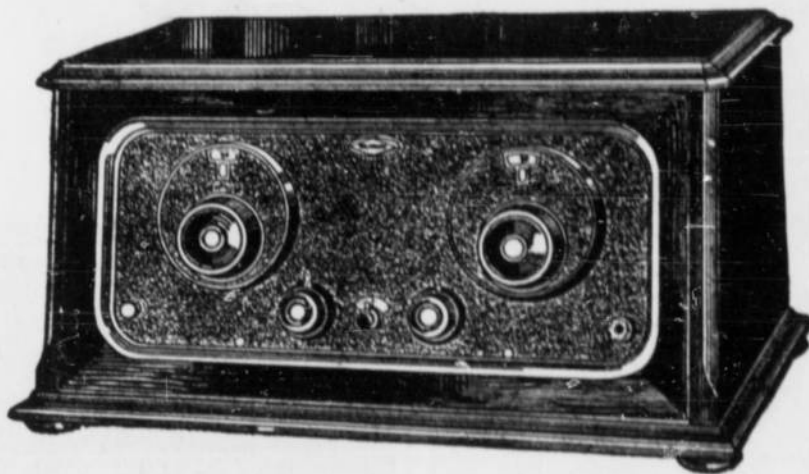
Branches in all Important Centres in Canada.

Savings Departments in all Branches.

## BANK OF MONTREAL

Established 1817

Total Assets in excess of \$750,000,000



Illustrated—The Aristocrat of Radio Sets: Splitdorf Duo-Six, six tube, two dial, inherently neutralized, \$120

Succeed  
with Splitdorf

CLEAR as a bell, loud or soft as you wish; local or distant stations—a Splitdorf Set gives you just what you want, exactly when you want it! That's why discriminating buyers prefer Splitdorf. And remember! Splitdorf is the only set with the Super-Power Switch which gives equal volume on all stations regardless of wavelength.

✓ If you haven't heard the Splitdorf Tone Cone a revelation awaits you. Ask your dealer.

Splitdorf Five and Six Tube Sets \$85 to \$280

See your nearest Splitdorf Dealer

Distributors of SPLITDORF Radio Sets

FOR ALBERTA

United Engines and Threshers Ltd., Calgary, Edmonton

Over \$7,000 in Prizes

Choice of Seven Cars

First Prize \$2,400.00.

See Pages 20-21



Would you like to be  
FOREVER FREE from

## ASTHMA

Asthma-Sera, a wonderful new medicine, softens and soothes the bronchial passages, restores gland activity to normal and quickly and forever banishes Asthma, Hay Fever and all bronchial troubles. Free information sent gladly, tear out this advertisement and send with name and address to

R. M. B. Laboratories, Ltd.  
612-C Vancouver Block, Vancouver, B. C.

See Pages 20-21 for the big announcement  
of the \$7,130 Puzzle Contest

## Low Mortality.

The Great-West Life selects its risks  
with extreme care.

Its low mortality contributes to the  
liberal profits enjoyed by participating  
policyholders, **THUS REDUCING THE  
ACTUAL COST OF PROTECTION.**

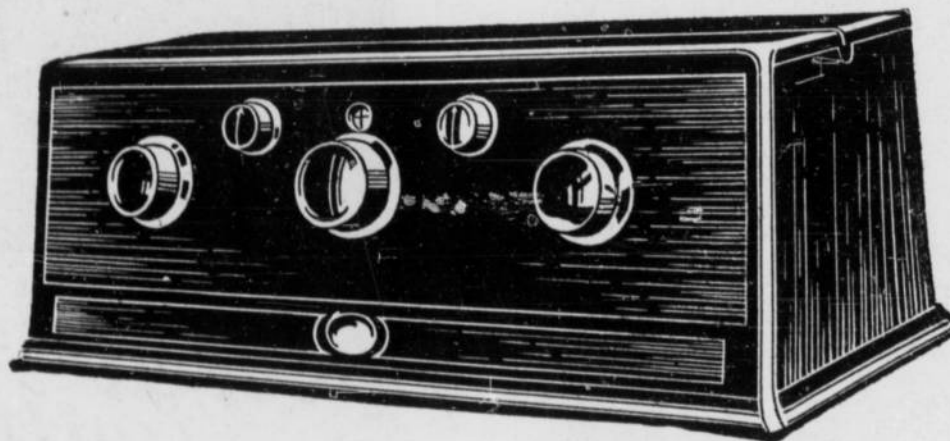


**THE Great-West**  
**Life** COMPANY  
HEAD OFFICE WINNIPEG

It is  
Maximum  
Benefit at  
Minimum  
Cost.

30

# The Master Finder!



R-50  
Five Tube Set  
\$110  
(without tubes)

**ONE MASTER CONTROL** brings  
in stations—and then two auxil-  
iary dials sharpen and clarify the  
reception to the perfection point. All  
the advantages of uni-control plus all  
the advantages of complete adjust-  
ment.

Economy, distance, ease of control,  
quality.

# Victor Northern Electric



HIS MASTER'S VOICE

Victor Talking Machine Company  
of Canada, Limited

an unusually entertaining and instructive manner. In smoothly flowing verse it tells of the leading features, the growing cities, industries and vast natural resources, the unequalled charms and wonders of the mountains and prairies, forests and rivers, islands and lakes of our great Dominion.

Little Big Ears and the Princess, by the author of Velvet Paws and Shiny Eyes, has turned her story about some charming characters. The Little Princess plays in the garden of her father's palace and the rabbit comes to see her quite often. Finally he takes her out to meet some more of his animal friends. This is more of a fairy story than Mrs. Cole's previous children's tales.

Little Gray Doors, by Alexandrina Woods, is an attractively illustrated book for children. It is published by Milton Bradley Company, Springfield, but it is written by an author who has taught school in Canada for many years. Doors that open to a land of enchantment and happiness invite the reader to enter and enjoy these five effervescing stories for younger boys and girls. There is a story of the boy who would not wash his hands. There is a Mirror which helps him by reflecting his faults. There is also the Magic Needle of the little girl who wandered into fairyland; Paternoster, the story of a little boy who learned nature from the insects; The Fairy Glen of Betty, the little girl who dreamed of the shepherd boy and his china shepherdess.

## The Unexpected Christmas Gift

Continued from Page 6

where holly hung and mistletoe, and bells of red paper.

By and by, perhaps lulled by the soothing hand, he fell asleep.

"Come outside, Branston," Lismer said, turning from the patient.

Wondering, his partner followed him out. For some moments they talked.

"Well, all right," Branston finally agreed in surly tones, "but of all the sentimental fools, you're the biggest!"

Christmas Day dawned cold and clear. By noon Barnes was able to get to his feet. They fed him sparingly.

"I spent the night on the ice," he told them. "I didn't think I could go on. I had pulled him for hours. But when it cleared in the morning, there was your cabin right ahead of me, and I started to crawl."

Shortly after eating, Barnes again fell asleep.

Seated at the table, Lismer wrote for several moments on a large piece of brown paper. Finishing, he stuck the wrapping paper up noticeably between two cups.

"It's two o'clock," he whispered, rising. Branston nodded. Lifting his light blanket roll, he moved to the door.

Lismer picked up his; crossed to where Jackson lay. A moment he stood gazing down upon the disfigured face. In Lismer's eyes shone all the ache of that nameless human longing born of dwelling on childhood days; that agonized reaching back and wanting the return of years forever past.

He forced a brave smile. Reaching into his blanket roll, he drew out a parcel wrapped in sacking, and laid it carefully on the wide bunk near Jackson's pillow. Abruptly turning away, he went out and down the trail leading to the railway, 12 miles distant.

### III

"I got something for you, some surprise," Corporal Barnes said to Corporal Jackson the second day after Christmas, when, for the first time, Jackson looked upon the world with normal eyes.

Barnes crossed the room with a piece of brown paper in his hand and gave it to his reclining partner.

"Dear Billy Jackson—After all these years you and me are spending Christmas once more together. It's a long, long way from our old farms, and we are getting on to middle age, and maybe we won't never meet again, but Billy I ain't never forget you, and particular that day you saved my life. And so, it being Christmas Day, I'm leaving you a little present. Maybe it will help you get that promotion. It's my half of the gold I stole from the Second mine. Seeing you again made me think hard of them days we were boys together, and I see this thieving game's no good. I'm going to try the old straight way."

"Good-bye, and Merry Christmas.  
Your old pal—Johnny Lismer."



# The Heart of Richard Verrell

By BRUCE GRAEME

## WHAT HAS HAPPENED SO FAR

All London wondered who was the mysterious gentleman adventurer, known as Blackshirt, because he went about his daring midnight feats attired in a suit of evening clothes and a black silk shirt. There had been the incident of the disappearance of the string of pearls, Sir Allen Dunn's wedding gift to his daughter, from their place of safe keeping and later again their return. At both times they had been guarded by Marshall, a retired superintendent of Scotland Yard C.I. Department. In reality he was Richard Verrell, an author, in search of plots for his stories. He moved in London's most select social circle. After the entrance to Sir Allen Dunn's house he had returned to his rooms and had been called on the telephone by a lady who refused to divulge her identity. She called him by his real name and by that other name by which he was now well known to the police. Verrell was astounded to find that he was known. From her voice he judged her to be an American girl. He found himself becoming very interested in his mysterious "lady of the telephone."

Ronald McTavish, at a club dinner, offered to give a large donation to a city hospital if Blackshirt succeeded in entering his house and taking anything of value from it. His sister, Jean, was much disturbed. Her brother had erected a very complicated and efficient electric burglar-detective system. Blackshirt hid himself under the library table in McTavish's library. The timely arrival of a real burglar distracted the watchers' attention and Blackshirt was able to procure a will which McTavish did not wish his sister to know about. Later Blackshirt set off in aimless search of adventure and decided to enter whatever house he should be opposite to at a given hour in the early morning.

**W**HEN Marshall retired from the C.I. Department of Scotland Yard he was fortunate in securing a small, self-contained flat over a greengrocer's shop in Shepherd's Bush, and here he settled down to finish the rest of his days. He was not entirely happy in his new occupation of a retired gentleman of leisure, for he was that type of man whose enjoyment was solely in his work, and this was particularly so where he was concerned, who considered his employment the spice of life.

He missed the routine, the discipline, and, above all, the interest. There was to him as much pleasure in capturing a criminal as there is in discovering a piece of Chippendale to an antique collector.

Every now and again he was fortunate in being engaged as a private detective, but cases in which he really took interest happened so few and far between that they were not nearly enough to keep him satisfied. Most of his undertakings seemed to be in connection with divorce, in which, apart from the simplicity of the work, he discovered that usually his sympathy was with the poor, misguided people he shadowed. Eventually he came to the conclusion that if all husbands and wives were all like the people who employed him, he would remain better off as he was—single.

He lived by himself, attended only by a housekeeper, who came every morning; but as he was usually out most of the day, and very often during the night as well, he did not suffer from loneliness.

This night, for once, he had found himself what he would have termed "at a loose end," and when ten-thirty struck he went to bed in disgust, and very soon dropped into a heavy slumber.

Presently he dreamed—a weird, monstrous nightmare, in which the main plot was that everybody he knew would pick him up and throw him about, till he tired of this, and awoke to find himself looking into the muzzle of a revolver.

"Good gracious!" he muttered, and then glanced at the man who sat on the side of his bed, shaking him by the shoulder with his free hand.

There was no mistaking the black mask, the black shirt.

"Blackshirt!" he gasped involuntarily.

"At your service, Marshall," mocked the other.

"What the hell are you doing here?" exploded the detective.

"My dear Marshall, that is precisely what I am about to explain; but in the meantime please do not make any movement, as I happen to be, as you will observe, covering you with a revolver, which, by the way, is your own, and which I took the liberty of borrowing from beneath your pillow. I hope you do not object?"

Marshall did not answer, but merely gazed with an amazed air.

"Thank you," continued Blackshirt; "then I may take it you do not object. To continue, I have a great admiration for you, Marshall, and when I say this I want you to believe that I mean sincerely; I am not just mocking you. I have seen several things about which I wish to speak to you, and I am not particularly keen to tire my arm out holding this gun

out in this threatening attitude. Give me your word, Marshall, that you will make no attempt at my capture until I have left this building, and I will talk to you as man to man on a matter beside which my capture and your fame are as nothing, for it concerns what is more important to both of us—our own country."

The detective thought rapidly. Should he or should he not give the required promise, and if he did, would he keep it? On this latter point he very soon made up his mind. He knew, come what might, he could not break his word to any man, not even to Blackshirt, for whose capture he would give his right hand. On the other hand, if he did not give the undertaking Blackshirt asked he might, by awaiting his opportunity, turn the tables.

Blackshirt read his mind. "It's no good your thinking that, Marshall, for unless you agree I shall clear out now. I think you know me better than to give you the chance which you think might be yours if you don't do as I wish."

The detective shrugged his shoulders. "Well, I suppose you're right. Yes, I give you my assurance."

Blackshirt seemed relieved, and cast the revolver down on the bed beside Marshall.

"Thanks, Marshall; though I took the trouble to extract your ammunition beforehand."

"Hang!" muttered the detective. "If I'd known that—"

"Yes, I dare say," interrupted Blackshirt, not giving him time to finish, and smiled in his winning way, which even the black mask could not entirely cover. "I felt sure that I would arouse your curiosity sufficiently."

Marshall gazed at him admiringly. "You're a cool card, whatever else you may be. However, what is it you want to tell me, and will you have a whisky-and-soda while you are saying it?"

Blackshirt laughed. "Not for me; thanks all the same, though. It's apt to spoil one's work to imbibe in the middle of it. But now to business."

"Tonight I went to bed—for a change, you are no doubt thinking; but, nevertheless, I do sometimes act as any other law-abiding citizen."

"For some reason or other I was restless, and was not successful, as novelists say, in the wooing of Morpheus, so I picked up an evening newspaper, and, greatly to my delight and amusement, had the pleasure of reading all about myself."

"Yes, I read all that, too. They made it a bit hot towards the end," Marshall grinned.

"Ah, well, that's the penalty of being famous, eh, Marshall? To continue. The article had an unfortunate effect upon me, I confess, for it roused me to action. So you can therefore imagine me, an hour or so back, getting inside this picturesque outfit of mine, which has its uses. It will be a boon to the cartoonist in tomorrow's paper."

"Having no fixed destination in mind, I determined to wander around until a clock struck three, and then to break into the nearest mansion, help myself to the valuables in the accredited way, and go back home to bed a richer and more sleepy man."

His voice suddenly dropped its bantering tone, and Marshall sensed that he was coming to the point to which he owed this unexpected visit.

"Marshall, by some stroke of Fate, when the clock struck three I was outside what I afterwards discovered to be the residence of Count de Rogeri, who lives at Versailles House, Maddox Gardens."

"A few minutes later I was inside and examining a wonderful desk, an example of Italian art in the sixteenth century. Whilst doing so, by pure accident I touched a hidden spring, and a secret drawer was exposed to my view. There were papers within, and my curiosity urged me to look through them, to find they were in German."

He paused, and unconsciously Marshall uttered an impatient, "Go on, man!" so intent was he upon the narrative which was slowly being unfolded.

"I read those papers, though my knowledge of German is none too good, but it was sufficient for me to realize that what I held in my hand were the plans

and specifications of the latest R.A.F. machine."

"Good heavens! A spy!"

"Precisely."

Again the silence, whilst the two men revolved in their minds the sudden revelation.

Presently Marshall spoke. "Why have you come to me?" he asked curiously.

"For several reasons, one of which I have already explained to you—that I trust you. Secondly, this spy must be unmasked. Obviously, were I, as Blackshirt, to write and inform Scotland Yard of this fact, the probability is that they would give no credence to my accusation. On the other hand, if I were to sign the name by which I am known to the world at large such few people as I do know—my identity would be revealed, and Blackshirt would promptly see the inside of a prison, which is the last thing I desire."

"Again, there is no knowing when the Count is likely to go to that desk again. Perhaps by the time Scotland Yard had made up its mind, and arrived at his house for the proof, these papers might be on the way to Germany, and then there would be just my accusations against Count de Rogeri's word. I have, therefore brought the papers with me."

Marshall shook his head. "You were wrong to do that. As it happens I was on the Special Section of the C.I. Department during the war, which, as perhaps you may know, devoted itself to spies, so that I learned quite a lot of the methods of this country in dealing with foreign agents."

"During the war it is just a question of capture, trial and execution; but in peacetime, no. We play a far more subtle game than that. Once a man is identified as a spy to our certain knowledge, from that time forward he is watched day and night. Every letter he writes, every parcel he sends, is intercepted, whilst every communication to him is copied before he receives it. In this way, not only does our own Secret Service become aware of every scrap of information which may be sent out of the country, but it also discovers the names and addresses of other spies who may get into touch with the one who was originally watched."

"Blackshirt—for this is the only name I can call you—by hook or by crook you must return those papers, and leave everything as you found it, so that your presence there will be positively unsuspected."

"Tomorrow I shall go to the Yard. In the meantime, for heaven's sake get them back again."

Blackshirt glanced at his watch. The time was twelve minutes past four. He pursed his lips.

"It can't be done, Marshall. It's too late. For all we know some of the maids may already be astir." But Marshall knew that, despite what he said, he had already determined in his mind to act as the detective suggested.

Like a shadow Blackshirt disappeared, and a few seconds later Marshall heard the whirr of an electric starter. Evidently Blackshirt had a car. He felt tempted to rush to the window and note the number, but he resisted. He could not play the dirty on the other, as he so aptly put it to himself.

Meanwhile, Blackshirt was speeding back towards Maddox Gardens. The car was a borrowed one. At the end of Maddox Road was a garage, from which Blackshirt had helped himself.

It was still dark when he was back at Versailles House once more, having returned the automobile, but there was a suspicious greyness in the east, and he calculated that the first streaks of daylight would be showing within half an hour.

Once again he crept across the lawn and round to the back of the house, and once more climbed up or to the balcony and entered the room through the tall French windows.

He listened intently, but there was not a sound. The tiny pin-prick of light from his torch travelled slowly round the room, but nothing had been moved. He breathed a sigh of relief. Apparently his presence had not been discovered, so that it would be a simple matter to return the papers.

With a quick, silent step he crossed the room, and, opening the desk, which he had left unlocked, he returned the papers to their hiding-place.

This time he knew it would be necessary to relock the desk, and he knelt down

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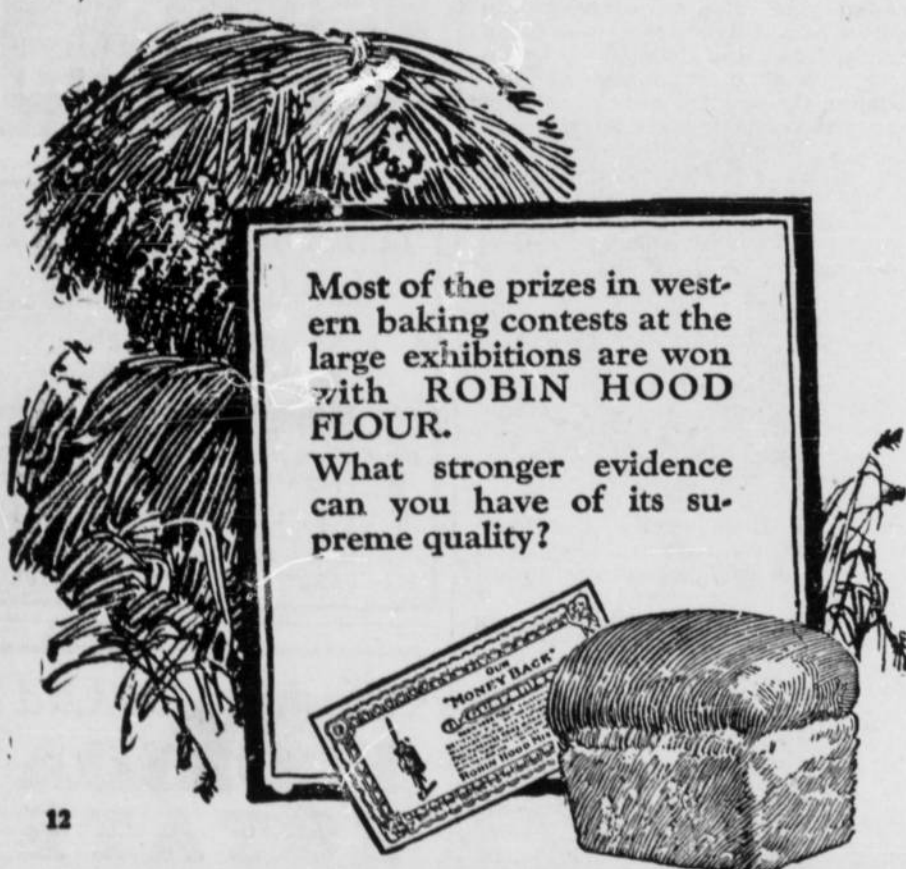
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before it. He brought his delicate little instruments to work, and presently a faint click informed him that he had been successful.

No sooner had this occurred when he experienced an extraordinary sensation. At the back of his brain he felt an intuition that something had gone wrong. This communicated itself to the rest of his body, and his sensitive nerves jumped in unison.

He could not define what it was, but he seemed to sense that someone was watching him, that there was somebody else present in the room besides himself.

He listened acutely; there was not a sound to be heard. The house was as silent as a graveyard; yet the feeling became more insistent, till at last he became positively assured that he was under observation.

He almost groaned, for, were this indeed the case, and the unseen watcher the Count himself, what Marshall feared most would probably happen. Undoubtedly the Count's suspicions would be aroused on seeing a man before the desk, when there was more valuable booty in another part of the room.

What must he do to allay this supposition? Before he could act the room was suddenly flooded with light.

He whirled round; the room was still empty. Incredulous and bewildered, he gazed in every direction, and confirmed that fact that only he himself was present. Instinctively, as he realized this fact, he stepped towards the window, but—

"Ah, so you are not armed!"

The heavy portiere was flung aside, to reveal a man in evening dress.

"Good evening," he said, with a pleasant smile, which was contradicted by the glitter in his eyes, and the menacing revolver which he held in his hand, pointing with unpleasant directness at the pit of Blackshirt's stomach.

Despite the seriousness of his position it flashed through Blackshirt's mind that it was not an entirely dissimilar situation to that in which he had been less than an hour ago, but then it was he who held the whip-hand.

He glanced at the newcomer, and gathered, as he had assumed, that he was Count de Rogeri himself. Dressed and groomed immaculately in the English style, there was to be recognized a faint suspicion of foreign blood, and Blackshirt wondered if he were not of mixed parentage, possibly French and German. A correct supposition, could he have known it, the Count's mother being an Alsatian Frenchwoman, and his father a Prussian.

"Why, may I ask, have I the honor of this visit?" There was a fixed intensity in the Count's voice, which confirmed the suspicion in his eyes.

Blackshirt turned over in his mind on what grounds he should meet the Count. Should he be an ignorant housebreaker, or should he remain just Blackshirt? He decided upon the latter course. With any luck the Count had read the papers.

Blackshirt shrugged his shoulders. "Why does one usually break into other people's houses?"

The Count raised his eyebrows. "An educated voice, I observe. Forgive me if I smoke?" he asked with irony, and with his left hand he took out a handsome gold cigarette case from his coat pocket, snapped it open, and placed a cigarette in his mouth, which he afterwards lit, never for a moment allowing his revolver to waiver a hair's breadth from the direction of Blackshirt's body.

"I regret I cannot offer you one also," he remarked presently, "but I prefer to see your hands remain where they are." He paused. "Really, you look remarkably picturesque for an ordinary burglar."

"But then, you see, my dear sir, I like to think that I am not an ordinary housebreaker."

"Ah, I see. An Arsene Lupin."

"And you, Ganihard?"

"Your choice of books is evidently picked with care, for I judge you have read the book."

"In the original."

"Ah, my admiration for you increases every moment. You are indeed worthy to be captured. If I talk much longer to you I shall almost regret having to call your big, flat-footed policemen."

"There's many a slip, my dear Count, many a slip."

"Banal." The Count paused, and then with startling suddenness he asked: "How did you know my name?"

If he thought to catch Blackshirt off his guard he was mistaken, for by this time the prisoner had planned his campaign, though with a sinking heart he

realized that even if he were successful in persuading the Count that he was there only for a commonplace burglary, the more he did so the more likely it would be that the Count would have him arrested.

For a brief moment he thought of buying his liberty with his knowledge of the Count's secret intrigues, but this he dismissed almost as soon as it occurred to him.

"An up-to-date and modern house-breaker plans his attack with as much care and foresight as a field-marshal directing his army. I have been watching this house for the last two or three weeks so naturally I knew who you were directly you appeared so disconcertingly from behind the portiere."

The Count blew a swirling, eddying smoke-ring into the air, and, watching it, he enquired casually: "And the desk, monsieur—did you expect to find many Bank of England notes there?"

Blackshirt laughed scornfully.

"Scarcely. There are sometimes papers which are more valuable than bank-notes."

He was watching the Count intently, and saw him stiffen up with an infinitesimal start. For a moment his glance rested piercingly upon his unexpected visitor, only to look casually away again, and Blackshirt knew that the Count's suspicions were now thoroughly aroused. a point to which he had been working.

"Papers?" asked the Count. "What kind of papers?"

"Letters, Count de Rogeri, letters. You are a woman's man."

It was a shot in the dark, but it hit home.

"Perhaps, and so—"

"Sometimes letters pass between a man and his mistress. Such letters are valuable."

"Blackmail?" The Count laughed sneeringly, but Blackshirt detected the note of relief in his voice. His suspicions roused to a point when they became almost certainties, were suddenly allayed. Even so he meant to take no chances.

"And may I ask whether you were successful?"

Blackshirt became suddenly despondent. "I regret to say you arrived about five or ten minutes too soon. That pretty desk of yours has an unusually tough lock and I had been unable to crack it when you made your appearance."

Still keeping Blackshirt covered, the Count warily crossed to the desk and tried it, and notwithstanding his expressionless face, Blackshirt caught the relief which he could not keep from his eyes.

With the knowledge that he was safe he became instantly more domineering, more the man with the whip hand. Before he had been merely fencing, not sure of his ground.

"Now we will quit fooling. What is your name?"

"That, Count de Rogeri, is a thing that many would like to know, which many have tried to discover. They have been singularly unsuccessful."

"Perhaps they did not have you at the wrong end of a revolver, as have I?"

"A forcible argument, I admit. Under the circumstances I suppose it is necessary for me to tell you that my name is Blackshirt."

"Ah, Blackshirt! I had the pleasure of reading about you in tonight's paper. Well, well! Supposing you take off that mask? I remember now that the paper stated that you had never been seen without a mask."

"I regret I must refuse, however much it might be my pleasure to do you the honor, Count de Rogeri, of being the first one of having that privilege."

The Count thrust his chin a little forward. "You will take that mask off or—?" He patted his revolver significantly. "It would be quite easy for me to look at your face afterwards."

"That would be murder, and murder is a hanging matter in England."

The Count chuckled unpleasantly. "Not murder, my dear Blackshirt, but justifiable manslaughter. I have another revolver upstairs. It would be unnecessary to put it in your hand to prove my point."

Blackshirt felt tiny beads of perspiration forcing themselves through his skin, and despair took hold of him. Unfortunately he knew that what the Count had said was only too true. There would be witnesses to prove that he had been deliberately murdered. In his own mind he believed the Count thoroughly capable of doing what he had threatened. Discovery seemed inevitable. His glance



wandered desperately away from the penetrating gaze of his captor.

What was it he had just said to himself? "Discovery seemed inevitable?" Perhaps; but not this evening, for he had just seen a tiny shapely hand creeping slowly round the edge of the portiere and shake a warning to him.

At all costs he must delay the evil moment for unmasking for just a few seconds. Perhaps rescue was at hand, for otherwise why the stealthy attitude of the person behind the curtain?

"Count de Rogeri, I admit defeat. You have got the better of me."

"Very kind of you to grant me that," answered the other sarcastically, "but the mask—I am waiting."

Whoever was behind the curtain was gradually advancing into view, and Blackshirt suddenly thrilled. It was a woman.

"Please give me half a minute," he asked desperately, "while I explain my circumstances to you. Count de Rogeri, I am rich and wealthy. I move in your own circle. I, too, am a gentleman, and I carry on my midnight adventures for the sake of excitement only."

The woman was heavily veiled. Out of the corner of his eye he noticed this fact, and saw, too, that she was still steadily moving forward. Another three yards, no, two and a half yards, and she would be behind the Count.

"You would not like to go to prison any more than I. It must be hateful! Think of it, seven years of torture; seven years of damnation, perhaps more, and it will be on your conscience that you have sent me there. Please, please," he cried, in an agonized voice, "let me go!"

The woman was almost behind the Count now; another step or two, and the scarf which she was holding in both hands would be around her quarry.

"Bah! A coward!" The scorn in his voice was galling, and, acting up to his part, Blackshirt straightened up suddenly as if the moral blow had gone home, glanced despairingly at the revolver, and slumped again into a dejected attitude.

The Count sneered again, and relaxed the tension of the hand which was holding the weapon.

At that moment the mysterious newcomer stretched out her arms and enveloped the Count's face with a scarf, and simultaneously Blackshirt sprang forward and wrested the revolver from the Count's grasp. The tables were turned.

"You can let him go," said Blackshirt to his unknown rescuer, and covered the Count with the pistol.

Trembling with rage and fury, the Count gazed evilly at him.

"Not quite such a coward, eh, Count de Rogeri?" mocked Blackshirt, and the Count realized that his late captive had been acting a part.

"I am sorry I can't ask you to unmask or anything of that sort," continued Blackshirt, "but I am afraid it will be necessary for me to request that you sit on one of those chairs, and perhaps my lady friend, as she has evidently come here to rescue me, will kindly tie your arms and legs securely. No, not that scarf. It doesn't do to leave behind a possible clue. His own silk handkerchief will do quite well, whilst I can supply another one which is absolutely unmarked."

In another few seconds, Count de Rogeri was trussed hand and foot to one of his own chairs, and gagged by one of his own cushion-covers.

Blackshirt gazed at their joint work admiringly. "I trust that you are perfectly comfortable, Count de Rogeri, for I am afraid you will be under the painful necessity of remaining in the same attitude until your servants awake to release you, and as you are a ladies' man, and probably sleep late, it would not surprise me if they were not more or less later than the usual household."

"I am sorry that I was not able to unmask, but had I done so I should have felt more like Cinderella, who was changed from the belle of the ballroom, dressed in silks and jewellery, into a poor little scullery-maid. So should I have ceased to be unknown, and doubtless would have spent seven long years in prison through your instrumentality. Au revoir, Monsieur le Comte, or should I say 'Adieu'?" And the next moment Blackshirt and his rescuer disappeared.

In the front, securely hidden from prying eyes by a large elm tree, they stopped.

"Say, I'll tell the world that that was the cutest piece of play I have ever seen!" said the woman suddenly.

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# CANADIAN NATIONAL RAILWAYS

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Blackshirt started with delight. "My Lady of the 'Phone!" he muttered involuntarily.

"Say, is that what you call me? Well, now, isn't that sweet?"

Blackshirt felt his cheeks flushing, and was glad of the protecting darkness.

"You may remove your mask, Mr. Verrell," continued the other, "and we had best be on our way before any further unpleasant events transpire."

"And if I do," he whispered softly, "will you not lift your veil?"

"I should say not!" she answered decisively.

"Oh, you won't, please?" he pleaded, but she shook her head.

"Then you will 'phone me up?"

"I will."

"Very often?" he said, catching her hand within his own.

For a moment she left it there, and Blackshirt felt the warmth of her soft fingers stealing into his, even through his gloves.

"Perhaps," she whispered, so softly that it sounded more like the sighing of the wind. Just then a distant church clock struck the hour of five.

She pushed him away sharply.

"Quick! You go along to the wall and see if the coast is clear, and I will follow you, you can help me over."

"Yes, yes, I will do that; but before we go tell me how did you know where I was, and that I was in such a hole?"

"That is my secret," she answered gaily. "Now go."

"But you must tell me," he commanded.

"I will—one day." And she pushed him forward with her hands, and he knew her answer was final.

He crept towards the wall, and, observing that there was no one near, he leapt lightly over and turned round to assist his Lady of the 'Phone, but she had disappeared. He waited half a minute, but when there was still no sign of her he knew that she intended to remain the mystery that she was.

He tore off the mask from his face, and slipped off his black silk gloves, turned up the collar of his light rainproof, and sprung out his opera hat, which fitted into a special pocket of the coat. This he set rakishly upon his head, and became once again a gentleman of the world as he started home.

"Curse that clock!" he muttered.

In the garage at the end of Maddox Gardens, a bewildered chauffeur scratched his head and gazed, bewitched, at the car in front of him. "Well, I never!" he muttered, "but I could have sworn that I cleaned the car last night!"

To be continued.

### Imperial Bank Has Good Year

The 52nd annual statement of Imperial Bank of Canada indicates in a very marked degree the improved business conditions which have pertained in Canada for some months past. The bank's profits for the year reached \$1,265,776.31, over \$100,000 better than in the previous year's statement, enabling it to pay the usual 12 per cent. dividend plus a bonus of one per cent.

Deposits for the first time in the bank's history passed the \$100,000,000 mark by a very handsome margin. Interest-bearing deposits stand at over \$82,000,000, pointing clearly to the popularity of the bank with the savings bank depositor. The liquid character of the assets is a noticeable feature. Cash assets are over \$27,200,000, while quickly realizable assets, which have increased by \$5,200,000 during the year, now stand at \$69,372,575.02, or 60 per cent. of the total of the bank's liabilities to the public. Total assets have increased by \$7,000,000 and are shown at \$131,832,309.65. Increased borrowings, indicating improved commercial activity, are shown in current loans, which now stand at \$55,186,970.88, almost \$5,000,000 greater than in the statement of a year ago.



Les. Perrin, Goodlands, Man., and his dogs with some of their catch.



## Benefits of Good Glasses

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## News from the Organizations

Continued from Page 24

during the canvass, into local lodges, and the election of local officials. These, it is suggested, should be temporary where the sign-up is not a representative one, the election of permanent officials being postponed until the maximum number of members in the district has been secured. In this way it is hoped to have everything in working order by the time the Act of Incorporation is passed by the provincial legislature.

Thus, what is hoped will be the greatest economic farm organization on the American continent is gradually taking shape. One after another difficulties and differences are being smoothed away. Within the next two months the first convention of the United Farmers of Canada, Saskatchewan section, will have been held, and for the first time for several years the farmers of the province will present a solid and united front, ready to work together for the advancement of the agricultural industry, for the protection of the pools already formed, and to go forward to further triumphs in the development of co-operative marketing and purchasing.

### St. Lawrence Development Scheme

A joint board, composed of engineers from Canada and the United States, has issued a report on the development of the St. Lawrence River and the Great Lakes to provide a canal capable of taking 25-foot draught vessels and utilizing the power resources of the river. The two sections of the board did not agree in their findings, the Canadian engineers recommending a two-stage development and the American engineers a one-stage scheme. The features of the report have been summarized by an Ottawa journalist as follows:

American section propose single-stage scheme, with 85-foot head at foot of Barnhart Island. Canadian section recommend double-stage scheme, with 67-foot head at lower installation, foot of Long Sault Island, and 17-foot head at upper installation, Ogden Island, near Morrisburg.

Total installed capacity: Single stage, 2,730,300 horse-power; double stage, 2,619,000 horse-power.

Costs (Lake Ontario to Montreal only): Single stage, \$394,000,000; double stage, \$423,600,000.

Head of Lakes to Montreal: Single stage, \$553,200,000; double stage, \$582,800,000. (Includes entire cost of Welland Ship Canal, \$114,500,000.)

Board recommends initial 50 per cent. installation of 1,368,000 horse-power, when over-all cost becomes: Single stage, \$509,300,000; double stage, \$544,300,000.

Estimate of cost of development of power alone in St. Lawrence: Single stage, \$290,172,000; double stage, \$308,972,000.

Estimated cost of improving river for navigation alone: \$167,720,000, under either scheme. All costs as presented are without interest during construction.

Waterway proposed, 25-foot—Lake Ontario to Montreal—25 miles of restricted canal navigation, 9 locks, 8 bridges; locks 859 feet long, 80 feet wide, 30 feet deep. Estimated traffic capacity: 24,000,000 tons. Cost of improving Great Lakes connecting channels, \$44,700,000. Time to complete all works: 8 years.

Power represented in St. Lawrence by authorized Chicago diversion: 88,875 horse-power at one-half development and 161,075 horse-power at complete development.

Cost to restore effect of Chicago diversion: An outlet of Lake Huron, \$1,350,000; at foot of Lake Erie, \$400,000; at and below Montreal, \$4,608,000.

Effect of diversion on levels of Lake Ontario and St. Lawrence above Montreal will be removed by works projected for improvement of river.

### Ontario Co-operative Prospering

With a total profit of \$172,000, the United Farmers' Co-operative Company have just completed the best year in the history of the organization since 1920, according to the regular annual statement issued recently. Of the total profits \$60,000 will be available for a four per cent dividend which is to be declared this season, while \$82,000 has already been paid out in commodity dividends to cream shippers and \$30,000 to shippers to the egg pool.

This dividend is being based on the par value of the stock; figured on the present



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market value, it amounts to several times four per cent. Along with the four per cent. dividend will be paid another amounting to three per cent., which was declared on last year's business and which was held over to save the expense of mailing out a large number of small cheques.

### Do \$20,000,000 Business

"The total volume of business this year," stated General Manager H. B. Clemes, "will amount to about \$20,000,000, or considerably more than a year ago. We handled a good deal more grain, totalling over 600 cars in all. This was all bought outright, as we had not time to get our wheat pool organized to handle this season's crop, but we will pay a small patronage dividend to shippers. A good deal of the grain, which was practically all fall wheat, was sold through the Canadian Wheat Pool."

Substantial progress is reported by the Livestock Department, one of the most important in the organization. The number of cars of stock handled amounts to 6,641 compared with 6,212 a year ago. These were valued at over \$11,000,000, or more than \$1,500,000 above the 1925 business. The Creamery Department—better known as the Toronto Creamery—reports the manufacture of 3,600,000

pounds of butter, or 500,000 pounds over the 1925 figure. Business has also shown a considerable increase at the Wingham Creamery, also controlled by the co-operative.

### All Lines Improve

The Grain, Flour and Feed Department, the Egg and Poultry Department and the Seed Department are all shown to be doing more business than a year ago. In farm supplies almost 25,000 tons of coal and coke, 2,500,000 pounds of binder twine, 80,000 rods of wire fencing, 50,000 fence posts, as well as large quantities of wire cable, shingles, rope and building material, were distributed.

At the annual meeting of shareholders next month, the directorate will propose re-organization so that the old deficit incurred during the depression following the war period will be wiped out. The old shares, which were half paid up, will be recalled and new ones issued for the amount actually paid up, if this plan is adopted.

The directors point out that their new building, where the head offices, all the different Toronto trading departments (except livestock) the Creamery and The Farmers' Sun Publishing Company, are housed, is owned and completely paid for by the co-operative organization.





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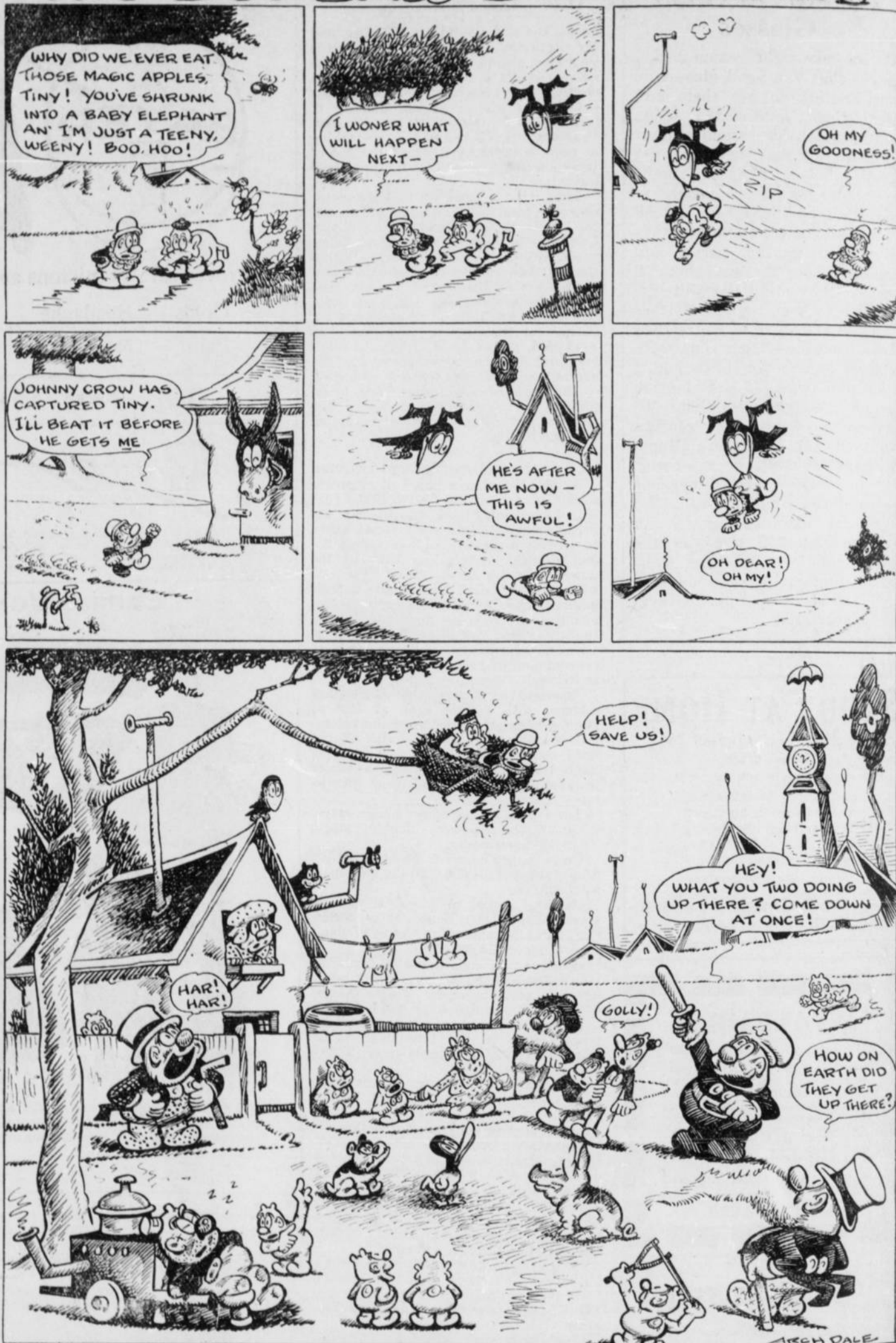
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## THE DOO DADS THE MAGIC APPLES-NO. 2



### The Doo Dads

Nicky Nutt and Tiny, his elephant playmate, live in constant terror now since they ate the magic apples. Doc Sawbones warned them that something terrible would happen if they ate too much, but being greedy things they didn't pay any attention to what he said, and now you see what has become of them! Nicky has shrunk to less than a quarter of his size, and Tiny is about the size of a fox terrier. Once upon a time Nicky and Tiny weren't scared of any animal, 'cept, of course Itchy, the ferocious flea, but now even the dogs and cats could swallow them in a couple of mouthfuls if they took the notion.

And there they go scurrying down the road as fast as their short legs will allow them, looking first to right and then to left to make sure there is no new danger threatening them. That

passing bee is bigger'n Tiny's fist. They stumble over pebbles in the road that once upon a time they would have crushed under foot without noticing. They came to a ditch that Tiny would have drunk dry in the days before he ate the magic apple, but this time they came so near being drowned in trying to get across they had to get some bits of boards to make a tiny bridge.

But danger is right on their trail. Unknown to the two poor little wayfarers, Johnny Crow swoops down upon them from behind and carries Tiny off by the tail. Nicky is panic stricken and runs for his life, but Johnny Crow, returning, picks him up by the patch in his pants, and pretty soon drops him into his nest right in the main square of Dooville.

They are scared plumb to death. Of course that pleases Old Man Grouch.

They have played so many jokes on him that he is glad to see them get the worst of it for once. Flannelfeet, the cop, has ordered them down. I suppose they are breaking by-law 4-11-44, by parking in a dangerous place. All the Doo Dads are completely mystified as to how they got so small—all except Doc Sawbones, and he won't tell, 'cause doctors never tell when medicine which they give to a patient makes him sick.

The old cat on the roof has been waiting a week for that mouse to come out of the chimney. He's got so cold waiting that he stands on the chimney to keep his feet warm. But he's grinning now, for he cleaned the little birds out of the crow's nest, and now that he sees Nicky and Tiny there, he thinks he will go over and make a meal out of them. They certainly are in a bad fix, don't you think so.



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Glencarnock Molasses Meal, 100 lbs. \$4.50  
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Send us a trial order to-day. Also ask for free literature and our personal message to the Boys and Girls.  
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**FOREST HOME FARM—SHORTHORN BULLS**, extra good ones. Yorkshire pigs, spring farrow, both sexes. Oxford Down rams. Phone Carman Exchange. Andrew Graham, Roland, Man. 26tf

**ASPENRIDGE YORKSHIRES, EARLY AUGUST**, long bacon, prolific, \$15, with papers. Barred Rock hatching eggs, baby chicks. Purdy, Balcarras, Sask. 30-2

**FOR SALE—REGISTERED CLYDESDALE** mare: cream separator, 200-pound capacity; 70-egg incubator; seven-foot disc harrow. Chas. Johnson, Fawcett, Sask. Phone 124 R.24.

**REGISTERED SHORTHORNS, SHETLAND** ponies and wolfhounds. F. Barton, Shaunavon, Sask. 26-3

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**FOR SALE OR TRADE—PURE-BRED DAPPLE** grey Percheron stallion, Roanle, 8683, in Schedule A, weighing over a ton, 11 years old, a good show and stock horse, for a black Percheron stallion, over a ton, in the same class. R. A. Cox, Beresford, Man. 30-3

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**SELLING—CHOICE REGISTERED ANGUS** cows, bellers, full calves, \$40 to \$80. Also our Blackbird herd sire, Baleturian Glencarnock, \$175. R. L. Hawkey, Aldrie, Alta. 30-2

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**CHOICE REGISTERED RED-POLLED BULLS**, also a few females. Frank Crawshaw, Macoun, Sask. 30-6

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#### Shorthorns

**FOR SALE—REGISTERED SHORTHORN COWS** and heifers, cheap. Bred to the junior champion bull, Beauty's Chief, son of Manor's Chief, the grand champion bull of Canada; also young bulls, herd accredited. Chas. Irwin, Newdale, Man. 30-5

**FOR SALE—60 ACCREDITED REGISTERED** Shorthorns, all bred from prize winners for generations, 20 cows with calf at foot. Jesse Balkwill, Windthorst, Sask. 30-5

## LIVESTOCK

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bulls, T.B. tested, 18 months old, well bred. J. Gordon, Deleau, Man. 29-2

**SELLING—REGISTERED ACCREDITED** Shorthorn cattle. Write for particulars. A. H. Grainger, Ogema, Sask. 30-3

**SELLING—12 HEAD CHOICELY PURE-BRED** Shorthorn cows and heifers, or exchange for grade cattle. Harry Smith, Kelfield, Sask. 30-3

**SELLING—FOUR RED, ONE ROAN, YOUNG** bulls. Dr. Knechtel, Souris, Man. 30-3

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**HIGH-CLASS BERKSHIRES FOR SALE, FROM** the well-known Vauxhall herd, both sexes. Unrelated pairs and trios supplied; also a few Suffolk ram lambs from prize-winning stock. For particulars apply Vauxhall Stock Farms Ltd., Vauxhall, Alta. 29-2

**EARLY MAY BACON TYPE BERKSHIRE** boars, registered, \$30 each. W. S. Dale, Viscount, Sask. 29-2

**LARGE ENGLISH BERKSHIRE BOARS**, bacon type, \$25 to \$40 each. A. G. English, Harding, Man. 27-6

**REGISTERED BERKSHIRE BOARS AND SOWS**, April farrow, \$35 each. D. A. Robertson, Heward, Sask. 30-3

**SELLING—REGISTERED BERKSHIRE HOGS**, both sex, May farrow, weight 160 pounds, \$25 and \$30. McKenzie Bros., Hearne, Sask. 30-3

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**SELLING—LARGE BLACKS, EITHER SEX**, from Ferndale Farm stock, May and June farrow, \$25 each, papers included. R. Eisentraut, Botha, Alta. 29-2

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**PURE-BRED CHESTER-WHITE PIGS FOR** sale. George Fiseker, Lockwood, Sask. 30-2

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**REGISTERED DUROCS, CHOICE APRIL BOARS** and gilts, ready for service. W. B. Baird, Ghost Pine, Creek, Alta. 30-2

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**POLAND-CHINAS—BOARS, BRED SOWS AND** fall pigs, representing the best imported breeding. Enquire immediately. L. J. Swanson, Parkman-man, Sask. 30-3

## LIVESTOCK

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**FIVE BOARS, \$30 EACH; ALSO LARGE BOAR**, two years old; five sows, Tamworths, March pigs. Our pigs were winners of 11 firsts and one second and two diplomas at two summer fairs. Robt. Blackmore and Sons, Wadena, Sask. 30-3

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**PURE-BRED YORKSHIRES—EXCEP-** tionally good, lengthy boars, seven months, size, quality and breeding, \$35; papers; crates included. W. L. Smith, Crown Hill Stock Farm, Indian Head, Sask. 29-2

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**SELLING—TWO PURE-BRED YORKSHIRE** boars, farrowed June, bacon type, \$30 each, papers free. A. B. Grainger, Ogema, Sask. 30-3

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**SELLING—FOUR PURE-BRED YORKSHIRE** boars, real bacon type, \$25 each, M.A.C. stock. Alf Potter, Deloraine, Man. 29-2

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**SELLING—REGISTERED YORKSHIRES, BOTH** sexes, May litters. Alfred L. Petersen, Edberg, Alta. 30-5

## LIVESTOCK

### REGISTERED BACON TYPE YORKSHIRES

March gilts, bred for spring farrow; also September pigs. J. G. Ellenton, Innisfail, Alta. 30-3

**FOR SALE—YORKSHIRE BOAR, MARCH** litter, a good one, \$30 with papers. John Garvie, Zealandia, Sask. 30-2

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**YORKSHIRES, PURE-BRED, TEN WEEKS**, snap, \$8.00. M. Partridge, Crandall, Man. 29-3

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**SELLING—ONE OXFORD RAM LAMB, \$20;** three shearings, \$25; one two-year, \$25; twelve ewes; 20 fine grade ewes at \$14; eight Scotch collie pups, champion ancestry at \$5, exchange for Shropshires. Honey, \$15.50 100 lbs. Deanshanger Apley, Pilot Mound, Man. 29-2

**SELLING—PURE-BRED OXFORD DOWN** rams, one-shear and two-shear; also breeding ewes. Phone or write, Mrs. Thos. Somerville, Hartney, Man. 29-2

**FOR SALE—PURE-BRED SUFFOLK RAMS.** Prices on application. William Johnston, Spinney Hill, Sask. 27-5

**SUFFOLK RAM LAMBS, Sired BY CLARIN-** dale 154, \$25 each, papers included. Royer and Zentgraf, Gull Lake, Sask. 27-5

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**SELLING—THREE OXFORD GRADE SHEAR-** ing rams and 15 breeding ewes. A. C. Sharpley, Sidney, Man. 29-2

**FOR SALE—75 CHOICE SHROPSHIRE BREED-** ing ewes, last three sires imported rams. A. B. McLean, Foam Lake, Sask. 30-2

**FOR SALE—400 GOOD GRADE SHROPSHIRE** ewes and 200 ewe lambs, \$7.50 to \$12.50. N. J. Beatch, Cut Knife, Sask. 30-2

**SELLING—REAL SHROPSHIRE RAM, TWO** years old, registered. E. D. Morse, Starbuck, Man. 29-2

**REGISTERED YEARLING OXFORD-DOWN** rams and bred ewes, all prize winners. H. J. Thompson, Box 57, Glenavon, Sask. 30-2

**FOR SALE—TWO TWO-SHEAR REGISTERED** Shropshire rams. D. M. Rishel, Renown, Sask. 30-2

**REGISTERED SUFFOLK RAM LAMBS, \$25** each. Barclay Green, Boharm, Sask. 29-3

### GOATS

**SELLING—ONE PURE ANGORA BILLY GOAT,** four years old, \$12. S. H. Lamont, Amaranth, Man. 29-2

### CHINCHILLA RABBITS

**CHINCHILLA RABBITS, FROM PRIZE-WIN-** ning imported stock, 30 does, six months old, at \$10 each, bucks, \$5.00; trios, \$23. Get into this money-making industry now. Chinchilla Rabbity, Beulah, Man. 29-2

**CHINCHILLA RABBITS FOR SALE—BEST** imported strain, hardy stock. One trio, \$35; two trios, \$65. Order these money makers now. Immediate shipment. Northern Silver Fox Company, c/o C. J. H. Arbez, St. Claude, Man. 29-2

**CHINCHILLA RABBITS, REDUCED PRICES.** Canaries, parrots, gold fish, dogs, kittens, guinea pigs, cages, supplies. Reliable Bird Co., Winnipeg, Man. 29-2

**SELLING—HIGH-CLASS CHINCHILLAS**, from champion imported stock, all ages, pedigree, free, bred does, \$12; bucks, breeding ages, \$7.00. John Tester, Amazon, Sask. 26-6

**CHINCHILLAS, PEDIGREED, THREE, FOUR** months old, raised outdoors, \$8.00, \$10 pair; unrelated, \$12 pair. M. A. Burns, Blackfalds, Alta. 30-2

**CHINCHILLAS FROM REGISTERED STOCK**, two does, one unrelated buck, with papers, \$8.00 each. Bucks and does, five months, \$7.00; three months, \$5.00. J. Snedker, Saltearts, Sask. 29-2

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**SELLING—CHINCHILLA RABBITS, IM-** ported stock that breed true to type, \$15. A. R. McLaren, Clearwater, Man. 29-5

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- HEAVY STRAIN BRONZE GOBBERS, \$8.00**, Manchester, Granger, Alta. 30-5
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- 1926 BRONZE GOBBERS, \$4.00; HENS, \$3.00**, Fred Waterer, Meota, Sask. 28-3
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## Wyandottes

- WHITE WYANDOTTE COCKERELS, APRIL** and May hatched, \$5.00; later, \$3.00; healthy, well-grown. Twenty-five years White Wyandottes exclusively. Second prize, First All-Canadian Egg-laying Contest. Mrs. Thos. Lund, Stonewall, Man. 29-2
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- SELLING—PURE-BRED ROSE COMB WHITE** Wyandotte cockerels, University strain, large, vigorous birds, April hatched, sure to please, \$3.00 each. Mrs. D. Johnson, Conquest, Sask. 29-6
- WHITE WYANDOTTE COCKERELS, \$5.00**, Sisters are laying now. Guaranteed from an excellent strain of winter layers. Henry Barton, Davidson, Sask. 30-3
- PURE-BRED ROSE COMB WHITE WYAN-** dotte cockerels, University strain, \$2.00 each. Mrs. Boon, Venn, Sask. 30-2
- SELLING PURE-BRED R. C. WHITE WYAN-** dotte cockerels, \$2.00 each. Roy C. Robertson, Denzil Sask. 30-2
- PURE-BRED WHITE WYANDOTTE COCK-** erels, Rose Comb, University strain, good weight, \$2.00 each. Harold Wiedrick, Kinley, Sask. 29-2
- CHOICE WHITE WYANDOTTE COCKERELS** from selected winter layers, \$2.50. Mrs. Percy Smith, Tate, Sask. 28-3
- PURE-BRED ROSE COMB WHITE WYAN-** dotte cockerels, \$3.00 each, two for five. Mrs. John Buckley, Mettelth, Man. 30-2
- PURE-BRED ROSE COMB WHITE WYAN-** dotte cockerels, \$2.00. Walter King, Clive, Alta. 29-2

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Excursions every week, \$125, Winnipeg, return, berth and meals included.

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## The Cheerful Plowman

By J. Edw. Truff



## Turning the Tables

When I used to drive Old Dobbin on the shay, then I jawed at every auto on the way, for that steed cut up and lunged, and he vaulted and he plunged like a charger when he enters in a fray! I remember Neighbor Biffle bought a car and it clattered and it chattered near and far; poor Old Dobbin lost his mind when he heard that thing behind and he reared until he nearly hit a star! "What a nuisance! What a nuisance!" I declared, as an auto with the devil I compared, "If those jingle-boxes stay unrestricted on the way I shall soon be sick and dead, or snowy-haired! We should pass a law to keep them from the roads, for they rattle honest horses at their loads; and at best they're merely junk, unreliable and punk, built in foolish violation of the codes! Neighbor Biffle used to be a bosom friend and I figured I should love him to the end, but it's hard to love a man driving such a spooky can, for he makes poor honest Dobbin to offend!" Well, today I drive an auto of my own, and today I met a fellow with a roan, and that foolish, giddy horse started rearing in his course; it was Neighbor Biffle driving, all alone! How that horse cut up and kicked! Silly thing! I believe he should be punished for his fling! Getting frightened at a bus, making such a silly fuss, acting like an eagle wounded on the wing! Yes, I've been a friend to Biffle through the years. I have been his friend in laughter and in tears, but it's hard to love, of course, any man who drives a horse that's a nuisance to the neighbors with his fears!



## FARM LANDS

## FLORIDA FARM LANDS

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OPPORTUNITIES IN SOUTHERN CALIFORNIA are better now than ever for the man of moderate means who desires to establish a home on a few acres that will ensure him a good living in a delightful country. Lands are reasonable in price and terms attractive. Crops best suited for different localities are well provided. Efficient marketing organizations are at your service. Southern California has a climate you will like—an enjoyable 12 months per season. There are thousands of miles of paved roads. Seaside and mountain resorts offer recreation for everybody. Let me mail you our illustrated folder containing dependable information on Southern California. C. L. Seagraves, General Colonization Agent, Santa Fe Ry., 972 Railway Exchange, Chicago. 29-6

INVESTIGATE THIS FARM OFFER—FARMS on the fertile prairies can be purchased on a long-term plan of easy payment. Seven per cent. of the purchase price, cash, balance payable in 35 years. Interest at 6%. Free use of land for one year. You may pay in full at any time. Write today for full information. Canadian Pacific Railway Co., Dept. of Natural Resources 922, 1st St. East, Calgary.

FOR SALE—VALUABLE RANCH PROPERTY, consists of 900 acres deeded land, 14,700 acres leased land, includes four miles deeded river front and controls the water, also includes land on which are many springs which water parts of lease. Transferred clear, \$6,000. Priced very low to close out an estate. Estate W. H. Winterburn, c/o J. M. Rae, Medicine Hat, Alta. 26-5

MANY THOUSAND ACRES IMPROVED FARM lands to offer at mortgage foreclosure prices. These farms are situated in Manitoba and Saskatchewan, in good districts. Big inducements given to good experienced farmers with equipment. For particulars, write The Burkyone Land Company, 401 McArthur Bldg., Winnipeg. 15-24

480 ACRES, ONE MILE FROM WESTBOURNE; good buildings on river frontage; 290 acres under cultivation, of which 240 acres were summer-fallowed in 1926. Considerable land open and ready for breaking. Reasonable terms to responsible buyers. Price \$35 per acre. Canada Permanent Trust Co., 298 Garry Street, Winnipeg.

QUARTER-SECTION, THREE MILES FROM Lancer, Sask., all arable land, 80 acres under cultivation, excellent soil, mostly fenced, buildings in good condition. Good crops. Clear title. Will sell cheap for cash. Apply owner, George R. Tancook, Lancer, Sask.

FARM BARGAINS—320 ACRES, SANDFORD, Man., \$12.50 per acre. 800 acres, Kameack, Sask., improved, \$17.50 per acre. Improved 160 acres at High Bluff, Man., \$30 per acre. 320 acres, improved, at Lovers, Sask., sell or rent. For terms write Welch Land Co., Winnipeg.

BRITISH COLUMBIA FARMS—FULL PARTICULARS and price list of farms near Vancouver, together with maps, may be had on application to Emberton & Son, Farm Specialists, 418 Howe St., Vancouver, B.C.

BEFORE COMING TO VANCOUVER WRITE me for prices on homes in beautiful West Vancouver, the residential suburb. No smoke. Good roads, etc. L. H. Beamish, Hollyburn P.O., British Columbia. 26-6

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WILL EXCHANGE UNIMPROVED QUARTER-section, clear title, 2 1/2 miles from Broomhill, for small threshing outfit in good condition, or what have you got to exchange? Frank Mason, Two Creeks, Man. 30-2

FOR SALE—CLEAR TITLE QUARTER-SECTION, 4 1/2 miles from town, suitable for man with milk cows. Price \$700 cash. Further particulars, write W. Perkin, Clair, Sask. 30-4

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EXCHANGE FOR FULLY EQUIPPED THRESHING outfit, or horses, cattle—half-section, good raw land, near Tisdale. Box 33, Eldersley, Sask.

## Farm Lands Wanted

SELL YOUR PROPERTY QUICKLY FOR cash, no matter where located. Particulars free. Real Estate Salesman Co., 539 Brownell, Lincoln, Neb. 43tf

WE WILL BUY YOUR FARM IF PRICE IS right. Dominion Colonization Association, 445 Main St., Winnipeg. 30-5

CASH BUYERS WANT FARMS. OWNERS write J. Hargrave, 120 Curry Bldg., Winnipeg. 27-5

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McKENZIE SEED CATALOG FREE—MAKE sure your name is on our list for new 1927 catalog. Garden and field seed, grains, grasses and clovers. Seed of highest quality is the cheapest seed in the end—there is no better seed available than McKenzie Seed. A. E. McKenzie Co. Ltd., Brandon, Man. Branches at Moose Jaw, Saskatchewan, Edmonton and Calgary. 30-5

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GARNET WHEAT—Highly recommended by experimental farms. Have a limited quantity to offer at \$3.00 per bushel. Particulars on request. W. L. FITZPATRICK, FAIRFAX, MAN.

GARNET WHEAT—WE HAVE A LIMITED quantity of this wheat to offer and are looking for orders now. Garnet wheat will be difficult to get by February and would advise getting your order in early. \$3.25 per bushel on lots of ten bushels and under, and on lots of ten bushels and over the price is \$3.20. Full information sent on request. J. D. McGregor, Brandon, Man.

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## SEEDS

TWO CARS MINDUM WHEAT, \$1.60 PER bushel, f.o.b. Dalny. Sample on request. J. E. Colquhoun, Waskada, Man. 30-3

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REGISTERED BANNER OATS, FIRST generation; also pure Garnet wheat. Samples and particulars free. Write now. Henry G. Young, Millet, Alta. 30-3

WANTED—FEW CARS GOOD FEED OATS. Send sample and quote price at shipping point. Big River Consolidated Fisheries Ltd., Big River, Sask. 29-2

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SELLING—CAR OF CLEAN BANNER OATS. Sample and price on request. H. Nelson, Elkhorn, Man. 30-2

SELLING—ONE CAR LOAD OF 3 C.W. OATS, 50c. per bushel. Arthur P. Carlson, Fosston, Sask. 30-2

SELLING—SEED AND FEED OATS. WALTER Greer, Lashburn, Sask. 28-8

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NEW AND USED AUTO PARTS FOR ALL makes of cars. Second-hand tires, engines, gears, radiators, bodies, etc. Country orders given prompt attention. G. & J. Auto Wrecking Co., 910 Main St., Winnipeg. 11-24

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SACRIFICE SALE—H. A. SMITH, WATERFIELD P.O., Sask., has an eight horse-power International gas engine for sale, \$100, f.o.b. Armley, Sask. 30-2

SELLING—FEED CRUSHER, 12-INCH ROLLS, good shape, \$35. Ethan Hagey, Bigstone, Alta. 30-3

SELLING—INTERNATIONAL HAY PRESS, good condition. Art. Guenette, St. Jean Baptiste, Man. 30-2

FIVE H.P. FAIRBANKS-MORSE GAS ENGINE, A1 shape, new cylinder. Cheap. Box 12, Bridgeford, Sask. 29-4

FOR SALE—POWER PRESS, SEVEN H.P. engine, good working order, \$250. E. J. Dain, Forget, Sask. 29-3

FOR SALE—STOCK AND MACHINERY, F. Campbell, Webb, Sask. 29-4

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SELL OR TRADE—WATERLOO STEAM engine, 25-horsepower, 33-52 separator for livestock, gas tractor, car. Herbert Nelson, Harptree, Sask. 29-2

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BIG TEAM TANDEM HITCH—ONLY ONE ON the market. No lead chains, eveners or pulleys. Perfect equalizer. Sold direct. Send stamp for particulars. Beaton Hitch, Winnifred, Alta. 27-5

## MISCELLANEOUS

## AGENTS AND EMPLOYMENT

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Want hard working, industrious and reliable men to

## RETAIL WATKINS' QUALITY PRODUCTS

Good territories now available for men who can qualify and who can furnish surety contract as required and a suitable outfit for travel.

A splendid opportunity to get into a permanent and independent business of your own that will give you a steady income 12 months of the year.

For full particulars write  
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AGENTS EARN \$100 UPWARDS WEEKLY AND free co-operative stock interest selling Gold Medal Five-Tube Radio Frequency Sets at \$25. "The set that stormed the country." Known the world over. Built for homes of moderate means. The farmer, clerk, laborer and lady of the home ought to buy on sight. Write today for proposition. Eureka Outlet Corporation, 1034 Longwood Avenue, Desk 4f, G.O. New York.

FIREMEN, BRAKEMEN, BEGINNERS \$150-\$250 monthly—also clerks—for railroads nearest their homes—everywhere. Which position? Railway Association, Box 28, Grain Growers' Guide, Winnipeg, Man.

HOSIERY, GUARANTEED PURE SILK, SILK and wool, pure wool. Direct to consumer. Samples supplied. Agents' selling outfit, catalogue free. Sterling Hosiery Mills, Dept. N, Toronto. 26-7

AGENTS WANTED TO SELL DR. SCOTT'S electric hair brushes and appliances. Send for booklet and terms. P. Moon, 2039 Louise Ave., Brandon, Man. 30-2

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AUTO OR TRACTOR RADIATORS, CLEANED, repaired or recored. Special expert. New method. Brandon Heating and Plumbing Ltd., 144 Twelfth St., Brandon, Man. 19-12

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ZERO TEST HOOD COVERS ARE LINED WITH heavy felt, woven double on jute centre with wool facing. If you cannot get them from your dealer communicate with manufacturers. Manitoba Tent and Awning Co., Winnipeg. 26-5

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HEAVEN AND HELL—SWEDENBORG'S GREAT work on the life after death and a real world beyond. Over 400 pages. Only 25c, postpaid. B. A. Law, 486 Euclid Ave., Toronto. 28-5

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ONE POUND BOX ENGLISH RED BERRIED Holly and Irish Stone Ivy, \$1.00; three boxes, \$2.50. Delivered at your station anywhere on prairies. Deep Creek Farm, Fort Langley, B.C.

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FOR SALE—SIZE 15 DELAVAL CREAM SEPARATOR. In good condition. \$45. Frank Manning, Amlak, Alta. 30-2

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PRESSURE TREATED CREOSOTED PINE posts are stronger than cedar. They will last for from 40 to 60 years. Price—three inches to four inches top diameter, 30 cents each; four inches to five inches, 40 cents each; all f.o.b. Calgary, or we can quote you a price at your station. Use creosoted posts and be through with your fencing problem for your life-time. The Dominion Government Forestry Branch recommend creosoted posts. Wanted—A price on willow pickets, winter delivery. Alberta Wood Preserving Company Limited, 1910-9th Ave. West, Calgary. 1f

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GOOD DENTISTRY AT MODERATE PRICES. Dr. P. Eckman, corner Main and Logan, Winnipeg. 25-12

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LAKE TROUT, 15c; FANCY WHITEFISH, 11c; ordinary Whites, 9c; round Yellow, 9 1/2c; dressed headless Jacks, 6 1/2c; dressed headless Sturgeon Mulletts, 8c; Mulletts, 4c. Half of one cent extra on lots under 100 pounds. F.o.b. Big River. Cash with orders. Quality and promptness guaranteed. Sold by I. Olafson, Big River, Sask. 30-5

WRITE FOR OUR LATEST ILLUSTRATED catalogue on new winter-caught fresh frozen Northern Lakes fish. Big River Consolidated Fisheries Ltd., Big River, Sask. 29-6

FRESH FROZEN FISH—TULLIBEE OR LITTLE White, 5 1/2c. pound; Jack Fish, 4 1/2c.; Mulletts, 3 1/2c. Terms cash with order. Langruth Trading Co., Langruth, Man. 29-9

FRESH FROZEN FISH—JACKFISH, 4 1/2c. pound; Tullibee, 5c. pound; Suckers, 3c. pound. Bags included. J. A. Thompson, Langruth, Man. 30-2

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DEPENDABLE USED AND NEW SAMPLE furniture, cookstoves, ranges, organs, pianos; parlor, dining-room, kitchen furniture; bedding, etc. Largest and choice assortment. We pack and ship to all points. Near as your mail-box. Catalogue on request. Goffe & Co., 332 Ellice Ave., Winnipeg. Established 1891. 29-19

## MISCELLANEOUS

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HOME-MADE SOCKS, \$1.10; MITTS, \$1.45. Guaranteed wool. One pair will convince of warmth, softness, value. Wm. Wideman, Kingman, Alta.

FREE—250 SILK PIECES, WRITE NOW Novelties, St. Zacharie, Que. 24-13

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PROGRESSIVE TANNERY, EDMONTON, CUSTOM tanners of leather and robes. Write for literature. Awarded diploma at Edmonton Exhibition, 1916. 29-9

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MANITOBA CLOVER HONEY, \$9.50 PER crate, 60 pounds. Morley Tompkins, Carman, Man. 25-6

PURE MANITOBA HONEY, THOROUGHLY ripened, 60-pound case, \$9.50; two cases, \$18. Carol Clark, Treweek, Man. 24-7

ONTARIO CLOVER HONEY, \$8.70; LIGHT Amber, \$8.10, 60-pound box. Quantity discounts. J. R. Murdoch, Brucefield, Ont. 30-3

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MANITOBA HONEY, \$9.50 CRATE OF SIX ten-pound pails. Castle Bros., Gilbert Plains, Man. 27-5

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GENUINE FRUIT ESSENCE TO MAKE ALL kinds of liqueurs, etc. Kirsch, curacao, prunelle, benedictine, chartreuse, menthe, cherry-brandy, cacao. Price 50c. bottle. Book of recipes sent. Bottle cappers, \$1.75-\$2.35. Bottle crowns, 50c. gross. Corks, Bottlers' sundries, etc. Richard-Beliveau, 334 Main St., Winnipeg. 27-5

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LUMBER, SHINGLES, FENCE POSTS, POLES, cordwood and



## MISCELLANEOUS

## MONEY ORDERS

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REMITTING  
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PHONOGRAPHS REPAIRED. PROMPT ATTENTION. Jones and Cross, Edmonton, Alta. 26-12

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SAVE YOUR SIGHT—N. V. GORDON, OPTOMETRIST. Henry Birks & Sons, Ltd., Winnipeg. 22-13

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REMNAINTS—THREE POUNDS, \$2.00; FIVE pounds, \$3.50. A. McCreery, Chatham, Ont. 27

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THOUSANDS OF PEOPLE HAVE BEEN RELIEVED of rheumatism, sciatica, kidney trouble, lame back through the use of Victory Rheumatic and Kidney Remedy. This medicine has no equal. Write Western Agent, 301 Ryan Commercial Bldg., Winnipeg, Man. 25-12

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## TRAPPING SUPPLIES

OUT-O-SITE SNARES HOLD COYOTES AND foxes where other snares fail is what trappers everywhere write me. Why use awkward, clumsy ways of snaring when Out-O-Site are so easily set anywhere and light to carry on trap line? Prices, delivered, \$1.00 for three, \$7.00 for 25. Ernest C. Mallin, Fertile, Sask. 29-4

KILL WOLVES, COYOTES—MICKELSON'S Coyote Capsules. Quick death. Great results. Thirty capsules, \$1.50; 100, \$4.00. Extra strength for timber wolves, 50 capsules, \$2.00; 100, \$5.00. Lura Oil Decoy, 50 cents ounce. Postpaid. Anton Mickelson Co. Ltd., 141 Smith, Winnipeg. Makers of Mickelson's famous gopher poisons.

IF YOU DO NOT FIND WHAT YOU ARE LOOKING for advertised here, why not advertise your want? Someone among the 80,000 readers may have just what you need, and be glad to sell at a reasonable price.

## MISCELLANEOUS

HOW TO SNARE WOLVES—DOLLAR BOOK free with one dozen Surkech Invisible, Selflock, Swivel Snare. Three for \$1.00; 25, \$7.50; 50, \$13. Bill Hoffman, Harrowby, Man. 27-5

LEARN CATCHING MUSKRATS BY IMPROVED simple method. Complete instructions for \$2.00. 22 rifle for \$5.00. John D. Bondaroff, Box 95, Blaine Lake, Sask.

## TOBACCO

GUARANTEED TOBACCO—REGALIA BRAND, postpaid five pounds: Rouge or Havana, Connecticut, \$2.90; in Spread Leaf, \$3.15; Hazebourg or Rouge-Queens, \$3.40; Queens or Parfum d'Italie, \$3.65; in Spread Leaf, \$3.90; Valgo Brand, \$2.00. Richard and Bellevue Co. Ltd., Winnipeg. 27-5

## TYPEWRITERS

FREE PRICE LIST OF NEW AND REBUILT Royal typewriters and Corona four-bank portable typewriters and all other makes of typewriters on request. Royal brand typewriter ribbons and carbon paper. Royal Typewriter Agency, 20 C.P.R. Bldg., Winnipeg, Man. 27-1

## VERMIN EXTERMINATORS

BUG KILLER AND ROACH POWDER FOR self use. Charles Reiss & Co., 360 Banning St., Winnipeg. 29-5

## WATCH REPAIRS

MAIL WATCHES FOR ESTIMATE—GUARANTEED repairs; reasonable prices. Johnson and Son, Jewellers, 265 Main St., Winnipeg. 28-5

PLAXTONS LIMITED, MOOSE JAW, C.P.R. watch inspectors. Promptness and accuracy guaranteed. Mail watches for estimate by return.

## WELL DRILLING

WANTED—GOOD SECOND-HAND WELL-drilling machine, suitable for drilling rock. Joe Urbanoski, Brooksby, Sask.

## Ship Your Dressed TURKEYS

to Winnipeg, to one of the oldest and largest Poultry Houses in Western Canada!

CONSOLIDATED SHIPPERS always get the benefit of any advance on the market. We pay more if the market goes up. If the market goes down we protect our shippers to the full extent of our GUARANTEE PRICES.

Since December 1, we have been paying the following prices for all shipments for No. 1 Dressed Stock f.o.b. Winnipeg:

Young Turkeys, over 15 lbs.	40c
Young Turkeys, 13 to 15 lbs.	37-39c
Young Turkeys, 11 to 13 lbs.	35-36c
Young Turkeys, 9 to 11 lbs.	32-33c
Young Turkeys, under 9 lbs.	30-31c
Chickens, over 5 lbs.	29-30c
Chickens, 4 to 5 lbs.	26-27c
Chickens, under 4 lbs.	23-24c
Hens, over 6 lbs.	25c
Hens, 5 to 6 lbs.	23c
Hens, 4 to 5 lbs.	21-22c
Ducks	18c
Geese	16c

FOR SATISFACTION TAG YOUR SHIPMENTS PLAINLY TO THE

## Consolidated Packers

605 DUFFERIN AVE., WINNIPEG, MAN.

## LIVE POULTRY DRESSED

Our high poultry prices quoted in The Guide December 1 still remain the same. Ship now and obtain Highest Prices.

Turkeys, 15 lbs. and over	33c	39-40c
Turkeys, 11-15 lbs.	29c	35-36c
Turkeys, 9-11 lbs.	25c	31-32c
Turkeys, 7-9 lbs.	23c	29c
All prices f.o.b. Winnipeg—guaranteed until Christmas.		

## ROYAL PRODUCE CO.

97 ATKINS ST., WINNIPEG

## LIVE AND DRESSED POULTRY WANTED

Hens, over 6 lbs., fat	Per lb.
Hens, 5 to 6 lbs.	21-23c
Hens, 4 to 5 lbs.	18-19c
Hens, 3 to 4 lbs.	16-17c
Chickens, 4½ to 5½ lbs.	18-20c
Turkeys, No. 1, over 12 lbs.	25-26c
Turkeys, No. 1, 10 to 12 lbs.	23-24c
Ducks	16-17c
For dressed chicken and turkey 5c above live weight.	

No. 2 and underweight stock highest market prices paid.

Prices f.o.b. Winnipeg. Crates on request. For guaranteed service tag your crates.

## PREMIER PRODUCE CO.

124 ROBINSON STREET, WINNIPEG

## DOMINION POULTRY SALES Dressed Turkey Prices

Young Turkeys, over 15 lbs.	per lb.
Young Turkeys, 13 to 15 lbs.	39-40c
Young Turkeys, 11 to 13 lbs.	37-38c
Young Turkeys, 9 to 11 lbs.	35-36c
Young Turkeys, 7 to 9 lbs.	32-33c
Young Turkeys, under 7 lbs.	30-31c
Chickens, over 5 lbs.	28-30c
Chickens, 4 to 5 lbs.	25-26c
Chickens, under 4 lbs.	23-24c
Hens, over 6 lbs.	25c
Hens, 5 to 6 lbs.	23-24c
Hens, 4 to 5 lbs.	21-22c
Geese	16c
Ducks	18-20c

ADDITIONAL RETURNS embracing 20 per cent. of our profits will be DISTRIBUTED to our shippers at the end of the year as SPECIAL BONUS.

SHARE to the full extent of what you produce BY SHIPPING TO

The Dominion Poultry Sales  
60 MCGREGOR ST., WINNIPEG, MAN.

## What Sweet Clover is Doing

Continued from Page 4

acre. About 10 pounds of sweet clover seed were sown to the acre with from three pecks to one bushel of wheat. All the seed was inoculated, and it was mixed in with the wheat in the drill box. The sweet clover seed should be constantly mixed up with the wheat in the drill whilst sowing it, in order to prevent the small clover seed sifting through and seeding itself too thickly—and don't sow too deep.

Sweet clover is also a good crop to prepare land for alfalfa. This valuable legume can be grown more successfully in the dryer portions of Alberta than is realized. I know of a field of alfalfa which has been producing very heavily for the past eight years within seven miles of the town of Hanna, Alta. This field which is 20 acres in extent was drilled in in rows about 14 inches apart, the seed was inoculated when sown, it is on the bald exposed prairie and is not within 100 miles of irrigation water. This is Grimm alfalfa.

I also know of another three-acre field within five miles of Hanna, Alta., which is now in its third year and which produced a very fine crop of good clean alfalfa hay this year. The owner of this last crop has also sown this year nine rows of alfalfa about 30 inches apart for seed raising purposes, also nine rows of sweet clover for seed. This man is an alfalfa and sweet clover enthusiast, and is now gradually reclaiming his light and sandy farm which was practically blowing away from him.

In the general rotations of the grain farms of central and eastern Alberta sweet clover should be sown the year previous to the year in which you wish to summerfallow, then either plow it under the second year instead of working a dusty and blowing summerfallow or pasture it off with sheep or cattle. Both do well on it, or you may take off a light crop of hay fairly early in the season before the crop gets too woody if you require it. The plowing under of the growing crop the second year will add fibre to your light soils, put humus and plant food back again into the land, and will also stop a lot of blowing. Sweet clover also furnishes great foraging grounds for bees, and sweet clover makes the very best of honey.

Follow sweet clover with alfalfa and this will mean more cows, more hogs, more poultry, more money coming in more often, larger cream cheques, and keeping out of debt. You will have a more contented farm wife, a good booster and a steady backer, and you will be a smiling, more prosperous and a contented happy farmer of good old Sunny Alberta.

## Ontario Election Results

The results of the Ontario election, held on December 1, were completed on December 6, when Manitoulin, the only remaining doubtful riding, was conceded to the Progressives. The following is now the standing of the parties in the legislature:

Conservatives	74
Liberals	14
U.F.O. and Progressives	14
Liberal-Progressives	5
Independent-Liberals	4
Labor	1

Total.....112

The Ferguson government has, therefore a majority of 35 over the combined forces of the opposition groups after electing a speaker. On the liquor issue, on which the election was fought, the four Independent-Liberals and the Labor member will support the government sale measure, making a total of 79 wet votes in a House of 112 members.

In South Grey, Dr. Jameson, minister without portfolio in the former government, was defeated by Farquhar Oliver, U.F.O., a nephew of Premier Oliver, of B.C. Mr. Oliver is 22 years old and is the youngest member of the House. In the last two federal campaigns he was Miss McPhail's chief campaign lieutenant. Hon. W. E. Raney, Progressive leader, was elected in Prince Edward by a majority of 44.

After the election in 1923, the standing of the parties in the legislature was: Conservatives, 77; Liberals, 14; U.F.O., 17; Labor, 3. Total 111.

# LUMBER

SPECIAL WINTER PRICES

Buy your lumber while prices are low—est. Haul it over the snow ready for your spring building. To keep the mills working during slack period we offer highest grade lumber at a big cut in prices. Place your order now—if you wish, we will hold shipment for a reasonable time.

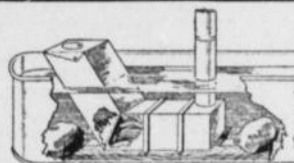
Write for Our Special Winter Prices.

Get these extra savings on finest quality Pacific Coast lumber, lath, shingles, doors, windows, etc. We guarantee the grade. Compare our prices and quality with your local yard!

Send for FREE plan folder or send us your plans or bill of material for delivered estimate.

**FARMER'S MUTUAL LUMBER CO. LTD.**  
BEKINS BLDG. VANCOUVER, B.C.

Established 1913. Capital: \$100,000.00  
Bankers: Royal Bank of Canada



## Submarine Tank Heater

Made from finest quality heavy-gauge material, all the seams being thoroughly welded. The grate is removable and we supply two lengths of 5-inch galvanized pipe and coal rake.

Very moderate in price. Ask your dealer, or write to

## Western Steel Products Limited

(Amalgamated with The Metallic Roofing Co. Ltd.)  
WINNIPEG, MAN.  
CALGARY, EDMONTON, REGINA, SASKATOON, VANCOUVER

## The Only Grinder Equipped With Hyatt Roller Bearings



THE Brantford Roller Bearing Grain Grinder excels every other grinder on the market for four reasons:—

- 1st—It is the only grinder equipped with Hyatt Roller Bearings. This reduces friction to a minimum, increasing the grinder's durability, efficiency and economy of operation.
- 2nd—It does better and faster work, yet uses no more power.
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- 4th—Absolutely guaranteed. Every cent of money will be refunded if not completely satisfied.

Our 12" machine is specially adapted for operating with farm tractors or for custom work. Remarkably low priced. Send for free catalogue. Learn more about the Brantford grinder.

GOOLD SHAPLEY & MUIR CO. LTD.  
REGINA, SASK. CALGARY, ALTA.  
PORTAGE LA PRAIRIE, MAN.

# BRANTFORD ROLLER-BEARING GRAIN GRINDER



# Market News and Notes

## The Wheat Position

Unofficial estimates of the Australian wheat crop put the yield at 150,000,000 bushels and of Argentina at 233,000,000 bushels.

On December 7, a meeting of the Board of Grain Commissioners was held in Winnipeg, for the purpose of discussing the situation created by the large stocks of damp and tough wheat in farmers' hands and in transit. Representatives of the pools and of the elevator companies were present. Steps are being taken to ascertain the amount of damp grain in the country. The situation was given a serious blow by the tying up of over a hundred vessels in the St. Mary's River by the ice. By the use of ice breakers and tugs, aided by milder weather the vessels were finally freed, and they proceeded to the head of the lakes where they will be used for storage purposes and help to relieve the congestion there.

It is estimated that Canada still has around 200,000,000 bushels of grain to dispose of during the crop year.

## Liverpool Prices

The Liverpool closing wheat prices on Thursday, December 9, were: December, \$1.67; March, \$1.55; and May, \$1.51.

## Winnipeg Grain Market

Cash quotations at close of market December 9.

Wheat		Flax	
1 Nor.	134	1 N.W.C.	190
2 Nor.	130	2 C.W.	186
3 Nor.	124	3 C.W.	165
4	114	Rejected	160
5	101		
6	84		
Feed	73		
1 Red Durum	118		
2 Red Durum	116		
Oats		Rye	
2 C.W.	56	2 C.W.	90
3 C.W.	53		
Ex. 1 feed	53		
1 feed	51		
2 feed	46		
Barley		Futures	
3 C.W.	63	Dec. wheat	131
4 C.W.	58	May wheat	135
Rejected	53	July wheat	135
Feed	52	Dec. oats	56
		May oats	58
		July oats	63
		Dec. barley	63
		May barley	67
		July barley	67
		Dec. flax	190
		May flax	199
		July flax	199
		Dec. rye	90
		May rye	95
		July rye	95

## Livestock Quotations

	Winnipeg	Calgary
Steers:	Dec. 9	Dec. 9
Choice	\$6.00-\$6.25	\$5.25-\$5.50
Fair to good	5.25-5.75	4.50-5.00
Medium	4.75-5.00	3.75-4.25
Common	4.00-4.50	3.25-3.50
Choice feeders	4.75-5.00	5.00
Fair to good	3.75-4.50	4.00-4.75
Choice stockers	4.25-4.50	4.75
Fair to good	3.00-4.00	3.50-4.50
Heifers:		
Choice butcher	5.50-6.00	4.50-5.00
Fair to good	4.00-5.25	4.00-4.40
Choice stockers	3.50-3.75	3.50-3.75
Fair to good	2.75-3.25	2.75-3.25
Cows:		
Choice butcher	4.50-4.75	3.75-4.25
Fair to good	3.75-4.25	3.25-3.50
Canners and cutters	1.75-2.75	2.00-2.50
Calves:		
Choice	7.00-8.00	5.00-5.25
Good	5.00-6.00	4.50-4.75
Common	2.50-4.00	2.00-4.00
Sheep:		
Fair to good	5.50-7.00	6.00-8.00
Lambs:		
Fair to good	9.00-9.50	9.00-10.00
Hogs:		
Selects	\$11.27	\$12.10
Thick smooths	10.25	11.00
Heavies	9.75	10.00
Lights	10.25	

## Field Crops in Canada

Under date of December 4 the Dominion Bureau of Statistics issued a bulletin giving the area of field crops in Canada in 1926. These estimates do not include grain cut for hay, the acreage of which will be published later. The following table contains the acreage of the principal field crops for the two years, 1925 and 1926:

Field Crops	1925 Acres	1926 Acres
Fall wheat	793,819	879,154
Spring wheat	21,178,913	21,888,295
Oats	14,672,320	13,494,760
Barley	4,075,995	3,794,718
Fall rye	702,755	561,569
Spring rye	149,602	175,545
Peas	182,951	145,060
Beans	81,466	71,593
Buckwheat	464,693	460,625
Mixed grains	888,962	980,117
Flaxseed	1,128,100	816,311
Corn, husking	238,767	209,725
Potatoes	545,891	545,918
Turnips, etc.	204,376	201,782
Hay and clover	10,097,042	10,069,519
Alfalfa	655,567	858,043
Fodder corn	641,119	579,888
Sugar beets	43,418	46,988
Total	56,745,756	55,779,610

## Field Crops of Prairie Provinces

The acreage of the chief field crops in the prairie provinces this year and last are estimated as follows:

Manitoba:		Saskatchewan:	
Acres		Acres	
Spring wheat	2,220,100	2,285,838	
Oats	1,922,377	1,643,979	
Barley	1,874,349	1,760,279	
Fall rye	293,100	200,559	
Spring rye	35,346	26,831	
Peas	1,053	1,156	
Mixed grains	15,662	14,438	
Flaxseed	155,650	195,359	
Potatoes	28,991	29,043	
Hay and clover	341,008	346,729	
Alfalfa	8,739	8,620	
Fodder corn	38,409	28,716	
Alberta:		Saskatchewan:	
Fall wheat	32,300	58,128	
Spring wheat	5,687,449	6,056,290	
All wheat	5,719,749	6,114,418	
Oats	2,397,350	1,907,195	
Barley	552,727	404,992	
Fall rye	134,322	72,689	
Spring rye	134,322	38,973	
All rye	1,583	1,061	
Peas	1,583	1,061	
Mixed grains	15,026	15,735	
Flaxseed	5,000	11,777	
Potatoes	32,359	32,551	
Hay and clover	258,471	278,723	
Alfalfa	48,995	52,766	
Fodder corn	73,700	50,000	
Sugar beets	5,700	5,394	

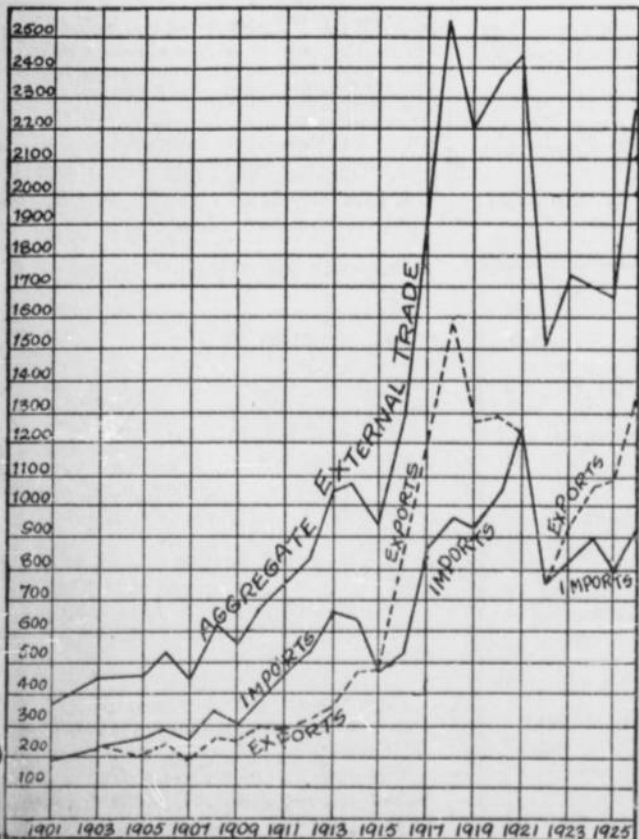
## Seed Markets

The November 25 bulletin of the Dominion Seed Branch gives the following prices for seeds for Manitoba and Alberta:

Manitoba		Alberta	
No. 1		No. 1	
Per 100 pounds		No. 2	
Red clover	\$32.50		
Alsike	25.50		
Alfalfa	23.00		
Timothy	11.00		
Sweet clover	10.00	9.50	
Western rye grass	9.00	12.00	\$ 8.00
Brome grass	9.00	13.00	8.50
Alfalfa (registered)	40.00	35.00	32.00

## Canada's Trade

The above diagram indicates the growth of Canada's external trade by fiscal years from 1901 until 1926, and is based on a diagram in the 1925 Canada Year Book with the lines extended to show the increases for the fiscal year, ending March 31 last. The figures at the right represent millions of dollars, and the peak of trade, in value, was reached in 1918, when it amounted to over two-and-a-half billion dollars. During the boom years imports exceeded exports. After the war broke out, however, exports took the lead and for four or five years greatly exceeded imports. In the fiscal years 1921-22 they about balanced, but exports are now considerably in excess of imports. For the last fiscal year the figures are: Imports for consumption, \$927,402,732; exports of Canadian produce, \$1,315,192,791; exports of foreign produce \$13,344,346; total trade, \$2,255,939,869.



Aggregate External trade of Canada 1901-1926  
The figures at the right are in millions of dollars

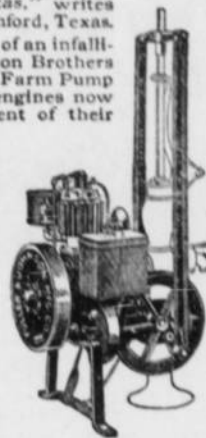
## 50 FARM PUMP ENGINES—All the Same

"We have about fifty of your pumping engines on our five ranches in this part of west Texas," writes Swenson Brothers, Stamford, Texas.

Because of the necessity of an infallible water supply, Swenson Brothers chose Fuller & Johnson Farm Pump Engines. Fifty of these engines now in use is an endorsement of their excellent service.

The Fuller & Johnson Farm Pump Engine fits any pump. No belts or pulleys required. 3 quarts of gas run it 12 to 15 hours. Pumps from 100 to 1000 gallons an hour. Air cooled, cannot freeze and will not overheat. Built for outside service—easy to start.

Write for bulletin 410, describing this remarkable engine. It tells you how easy it is to have plenty of fresh water.



FULLER & JOHNSON MFG. CO.  
Engine Specialists Established 1840

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## Ship Your TURKEYS—Now!

Ship to us — you'll be sure to get Careful Grading, Honest Weight and Prompt Payment. Remember, if the market advances before your shipment reaches us we will pay you the increased prices.

Live		Dressed	
Turkeys, over 15 lbs.	300	300	380
Turkeys, 13-15 lbs.	28-290	28-290	360
Turkeys, 11-13 lbs.	25-260	25-260	34-350
Turkeys, 9-11 lbs.	230	230	320
Chickens, over 5 lbs.	21-220	21-220	27-280
Chickens, 4-5 lbs.	18-190	18-190	24-250
Fowl, over 6 lbs.	200	200	250
Fowl, 5-6 lbs.	180	180	220
Fowl, 4-5 lbs.	15-160	15-160	20-210
Ducks	150	150	18-200
Geese	120	120	160

The Prices Quoted are for No. 1 Quality Stock, f.o.b. Winnipeg

Standard Produce Co.

5 CHARLES ST. WINNIPEG

## Ship Your Grain

to

## UNITED GRAIN GROWERS LTD

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Winnipeg

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GET THE FULLEST POSSIBLE PROTECTION

## MALDEN ELEVATOR COMPANY LTD.

GRAIN COMMISSION MERCHANTS AND TRUCK BUYERS

Licensed and Bonded. References: Bank of Commerce or any Commercial Agency  
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Liberal Advances. Prompt Settlements. Absolute Safety. Best Results  
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We are open to buy the following furs:

WOLVES - WEASELS - MUSKRATS - SKUNKS - MINKS  
BADGERS - RABBIT SKINS

Ship small lots by Parcel Post and large quantities by Express.

TAKE NOTICE—Our Canadian Bush Rabbit Skins which have been practically worthless in the past, are now becoming of commercial value due to new processes of tanning and dyeing

We will pay from 8c to 10c for Bush Rabbit Skins and 20c to 25c for Jack Rabbit Skins (Damaged at value).

Write for Price Lists and full information

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—How to Secure Them

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Special Prices to United Farmers' Locals and for Quantity Lots.

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## To End Severe Cough Quickly, Try This

For real results, this old home-made remedy beats them all. Easily prepared.

You'll never know how quickly a bad cough can be conquered, until you try this famous home-made remedy. The immediate relief given is almost like magic. It is easily prepared, and there is nothing better for coughs. Into a 16-oz. bottle put 2½ ounces of Pinex; then add plain granulated sugar syrup to make 16 ounces. Or you can use clarified honey, instead of sugar syrup. Either way, this mixture saves about two-thirds of the money usually spent for cough preparations, and gives you a more positive, effective remedy. It keeps perfectly, and tastes pleasant—children like it.

You can feel this take hold instantly, soothing and healing the membranes in all the air passages. It promptly loosens a dry, tight cough, and soon you will notice the phlegm thin out and disappear. A day's use will usually break up an ordinary throat or chest cold, and it is also splendid for bronchitis, hoarseness, and bronchial asthma.

Pinex is a most valuable concentrated compound of genuine Norway pine extract and palatable guaiacol, the most reliable remedy for throat and chest ailments.

To avoid disappointment, ask your druggist for "2½ ounces of Pinex" with directions. Guaranteed to give absolute satisfaction or money promptly refunded. The Pinex Co., Toronto, Ont.

# PINEX

FOR COUGHS

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Knowing from terrible experience the suffering caused by rheumatism, Mrs. J. E. Hurst, who lives at 204 Davis Avenue, 129E Bloomington, Ill., is so thankful at having healed herself that out of pure gratitude she is anxious to tell all other sufferers just how to get rid of their torture by a simple way at home.

Mrs. Hurst has nothing to sell. Merely cut out this notice, mail it to her with your own name and address, and she will gladly send you this valuable information entirely free. Write her at once before you forget.

A New Invention! The new Mears de Luxe Earphone will help you.

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Tells cause of cancer and what to do for pain, bleeding, odor, etc. Write for it today, mentioning this paper. Address Indianapolis Cancer Hospital, Indianapolis, Ind.

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An instructive book has been published by Dr. A. S. McCleary, the noted rectal specialist of Excelsior Springs, Mo. This book tells how sufferers from Piles can be quickly and easily cured without the use of knife, scissors, "hot" iron, electricity or any other cutting or burning method, without confinement to bed and no hospital bills to pay. The method has been a success for twenty-six years and in more than nine thousand cases. The book is sent postpaid free to persons afflicted with piles or other rectal troubles who clip this item and mail it with name and address to Dr. McCleary, 553 St. Louis Ave., Excelsior Springs, Mo.



### Knowitall's Patent Day Lengthener and Egg Production Stimulator

Mr. Knowitall, who has been looking into the poultry business, believes that whereas a hen can get along nicely with six hours sleep in the summertime there is no reason why she should demand 16 hours sleep in the winter. The result of this inactivity has been to cut down her efficiency at least 75 per cent., as every observant person has noticed. The device illustrated above will, at minimum cost, restore to Biddy her summer efficiency. In the glass globe is a large number of fireflies, which can easily be gathered with a net on a summer evening. At four o'clock in the morning the alarm clock arrangement gently taps on the globe and awakens the fireflies. They at once begin to glow and the rooster, mistaking the luminous globe for the rising sun, crows lustily. This awakens the sleeping hens. Thinking that with the sun shining so early in the morning spring has arrived, they at once inaugurate their summer egg-laying program. Experiments at Shaggy Acres have shown that the egg production stimulator can be relied upon to double the annual output at a cost of four-tenths of a cent per dozen.

## SCREENINGS

C. B. Moody, the dairyman, announces that he is now in position to supply his patrons with all the milk they want and that he can handle several more new customers since he has just installed city water, and that the milk is purer than when he had to use branch water.

Although she has an assortment of hats, she wants a new one.  
(That's the woman of it.)

He says he thinks she can get along without it.

(That's the man of it.)

She insists that she can't, and she's going to get it.

(That's the woman of it.)

He says "not if he knows it."

(That's the man of it.)

She breaks down and weeps.

(That's the woman of it.)

He gives in.

(That's the end of it.)

"Teacher whipped me because I was the only boy who could answer a question she asked the class," cried Willie.

Willie's mother was angry. "I'll see the teacher about that," said she.

"What was the question she asked you?"

"She wanted to know who put the glue in her ink bottle."

(That's the end of it.)

Pat and Jerry were bosom friends.

One day Pat fell from the top of a telephone pole, but caught a wire and hung suspended. Jerry rushed for a ladder that happened to be conveniently near, at the same time yelling: "Hould on, Pat! Oi'll get yez down in a minute!"

As Jerry bent over Pat in the hospital, he almost sobbed, "Och, me lad! Why didn't ye hould on?"

"Sure, Oi was afraid the wire'd break," said Pat.

Awkward Dancer—"The Charleston becomes rather monotonous, don't you think?"

The Unlucky Girl—"Well, try jumping on my other foot."

As the dentist examined the teeth of a new patient with a swollen cheek, he enquired: "Have you had any advice before with regard to your teeth?"

"Yes. I called on a druggist last night."

"Oh! What foolish advice did he give you?" the dentist asked.

"Well, he told me to come here."

Andy McDonald was sitting at his fire-side weeping. Great sobs shook his lean frame, when a neighbor, peeping through the window, attracted by these sounds of woe, addressed him thus:

"Eh, Andy, mon, what's ailin' ye?"

"Oh, dear! Oh, dear!" sobbed Andy.

"Donal MacPherson's wife has just died."

"Aweel," said the neighbor, "what o' that? She's no relation o' yours, Andy, ye ken."

"I ken she's no," answered Andy.

"I ken she's no; but it just seems to me that everybody's gettin' a change except me."

Doctor: "Deep breathing, you understand, destroys microbes."

Patient: "But, doctor, how can I force them to breathe deeply?"

She had just returned from the barber shop, where she had exchanged her heavy tresses for a shingle.

"I simply could not stand the weight of all that hair on my head another day," she explained to her angry husband.

"I always thought your head was weak," was his only comment.

Simple Colds indicate a need of  
**SCOTT'S EMULSION**  
to build resistance

It brings to the body an abundance of resistance-building cod-liver oil vitamins

Scott & Bowne, Toronto, Ont.

26-52

## "Was Soon Able To Sleep Well"

The usual experience of nerve-racked people who use Dr. Chase's Nerve Food

When the nerves are starved and depleted you become restless, irritable and suffer from loss of sleep. The regular use of Dr. Chase's Nerve Food soon lifts you out of this condition by supplying to the system the elements of Nature from which nerve force is created.

Mrs. H. N. Tardell, Harrowsmith, Ont. writes:—"My nerves were in a very bad state, and I did not know what it was to have a good night's rest. I could not eat, and never felt well. After taking Dr. Chase's Nerve Food for a few days I was able to sleep well at night. My appetite also returned, and I felt stronger and better, and after taking three boxes of Dr. Chase's Nerve Food I was quite well."

## Healed His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of recovery was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely healed my rupture. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may have a complete recovery without operation, if you write to me, Eugene M. Pullen, Carpenter, 72 N. Marcellus Avenue, Manassas, N.J. Better cut out this notice and show it to any others who are ruptured—you may save a life or at least stop the misery of rupture and the worry and danger of an operation.

## PILES STOP

New Internal Treatment Will Do It  
NO OPERATION—NO DELAY  
SEND FOR FREE TRIAL

Thousands tell us of their recovery by the Page Method—just the combination treatment with the tablets and the piles leave. They heal internally—the correct way. Salves and ointments give only temporary relief. Write today for Free Test Package—it costs you nothing; the Page Method will heal your piles. Send for free test.

E. R. Page Co., 326C Page Bldg., Marshall, Md.

Sergeant (angrily)—"Button up this coat!"

Married Recruit (absent-mindedly)—"Yes, my dear."

Visitor—"Isn't it difficult to keep your household budget straight?"

Mrs. Newlywed—"My dear—it's terrible. This month I've had to put four mistakes to make mine balance correctly!"

"Was your garden a success this year?"

"I should say so. My neighbor's chickens took first prize at the poultry show."

Passenger: "Please, conductor, will you help me get off the train?"

Conductor: "Certainly, madam."

Passenger: "You see, it's this way. Being rather stout, I have to get off backwards—the porters think I'm getting in—so they give me a shove and say, 'Urry up, ma'am.' I'm at stations past where I want to go now."

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